US1 780612

31 88.6 6 1 31 88.6 6 1 31 88.6 6 1 31 88.6 6 1	31 88.6 6 1	34 31 88.6 6 1 US 35 31 88.6 6 2 US 36 31 88.6 6 2 US 37 31 88.5 6 2 US	31 88.6 6 31 88.6 6 31 88.6 6 31 88.6 6	31 88.6 6 2 31 89.6 6 2 31 88.6 6 2	31 88.6 6 2		RESULT 1	US-08-169-743-2 : Sequence 2, Application US/081697 : Fatent No. 5447936 : SENERAL INFORMATION:	APPLICANT: RUGELAHTI EKKKT APPLICANT: PLERCHEACHER, MLC APPLICANT: GEH.SEN, KURT R TITLE OF INVENTION: INHIBITIO TITLE OF INVENTION: SYNTHETIC NUMBER OF SEQUENCES: CORRESPONDENCE ADDRESS: ADDRESSEE: PRETTY, SCHROEDE	44 SOUTE ANGELES LIFORNIA	2IP: 95071 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible COMPUTER: IBM PC compatible	SOFTWARE: Patentin Release CURRENT APPLICATION DAIA:	APPLICATION NUMBER: US/08/1 ; FILING DATE:	CLASSIFICATION: 435 PRIOR APPLICATION DAIA:	APPLICATION NUMBER: US 67/77 FILING DATE: 08-0CT-1991	AITCRNEY/AGENT INFORMATION:	REGISTRATION THERESA A: PEGISTRATION VOMBER: 32,547	: TELECOMMUNICATION INFORMATION:	TELEFHONE: 619-535-9601 TELEFAX: 619-535-8949	: : NFORMATION FOR SEQ ID NO: 2:	4 =	TYPE: amino acid TOPO:/OGY: linear	US-08-169-743-2	atch cal Similarity 100.08;	6; Conservat	63 1 GRODEP 6
		ine 16 Seconds moments) on cell updates/sec				37635			* * 	chance to have a result being printed, stribution.	Description	. 9	Sequence /, Appli Sequence 1, Appli	Sequence 74, App. Sequence 175, App.	Sequence I. Appl: Sequence I. Appl:	Sequence 1. Appli Sequence 2. Appli	Sequence 45, Appl	Sequence 5, Appliance of Applia	Sequence 11, Appl Sequence 3, Appli	Sequence 13, Appi	10.	Seguence 4, Appli Seguence 1, Appli		on on	Sequence 1, Appli Sequence 69, Appl	m-+
GenCore version 5.1.6 (c) 1993 - 2063 Compagen Ltd	using sw model	2003, 18:19:03 ; Search time 16 S (Without alignments) 15:667 Million cell	2A-1	Sapext 0.5	42310858 residnes	ng chosen parameters:		h 0% h 100% t 45 summaries	ed_Patents_AA:* cgn2_6/ptodata/1/iaa/5A_COMB.pep:* cgn2_6/ptodata/1/iaa/5B_COMB.pep:* cqn2_6/ptodata/1/iaa/6B_CCMB.pep:* cqn2_6/ptodata/1/iaa/6B_CCMB.pep:* cqn2_6/ptodata/1/iaa/PcTUS_COMB.pep:* cqn2_6/ptodata/1/iaa/pcTUS_COMB.pep:*	number of results predicted by characterists of the reducibles of the total score distantials of the total score distantials.	SUMMARIES DB ID													1 US-08-264-759-3 1 US-08-445-745-49		US-08-104-33 US-08-421-70
Copyright (otein search, u	September 16,	US-09-780-6122 35 1 GRGDTP 6	BLOSUM62 Gapop 10.0 , C	328717 seqs,	hits satisfying	length: 0 length: 6	Minimum Match Maximum Match Listing first	Issued_Patents. 1: /cgn2_6/pto. 2: /cgn2_6/pto. 3: /cqn2_6/pto. 5: /cgn2_6/pto. 6: /cgn2_6/pto.	No. is the number greater than or ed derived by analys	% Query Match Length D		0.00	000	90	00.00 00.00	00.0 88.5	कक	رص	ب ب	. 0. 1	D 40	9.9	88.6 88.6	و و	e e
	OM protein - pro	Run on:	Title: Perfect score: Sequence:	Scoring table:	Searched:	Total number of	Minimum DB seq Maximum DB seq	Post-processing:	Database :	Pred. No. score grea and is der	Result No. Score	35					D F1	3.5	· <* (ωw	۲. ۵	5 0 0	o =	22 23 31 24	4·W	9

Seguence 7, Appl	7-787-989-80-80	7	c	g.	3.5
Sequence 2, Appl	US-08-447-810-2	~	φ.	9.88	
Sednence 3, Appl:	US-08-473-025-3	~	9	9.88	31
Sequence 4, Appl	US-08-421-695A 4	CV)	ټ	98.6	31
Sequence 12, App	US-08-806-084-12	7	æ	88.6	<u></u>
Sequence 1, Appl	US-08-635-572-1	~1	9	38.6	40 31
Sequence 2, App]	US-06-432-698-2	~	۰	٠. هو: هو:	3.1
Sequence 2, Appl	US-08-445-193-2	\sim	Φ	88.6	31
Sequence 2, Appl	US-08-280-646-2	7	(C)	88.2	31
Sequence 15, App.	CS-08-520-535-15	~	S	88.6	31
Sequence 11, Appl	CS-08-387-749-11	~	vc	88.6	31
Sequence 4, Appl	US-08-421-698A-4	г	ψ	88.6	31
Sequence 4, Appl	35-68-421-697A-4	-1	ç	88.8	3.33
Seguence 3, Appl	US-08-482-107B-3	_	ڡ	98.6	31
Sequence 12, App	US-07-803-623H-12	-	œ	98.6	1 31
Sequence 4, Appl	US-08-421-696A-4	-	ڡ	98.6	31
Sequence 4, Appl	US-08-303-052A-4	_	Q	88.6	29 31
Sequence 16, App.	US-08-482-105-16	~	9	88.6	3 31

ALLIGNMENTS

		Gaps
		0;
US-08-169-743-2 Sequence 2, Application US/US169743 Feacent No. 5547936 SENERAL INFORMATION: APPLICANT: RUCSEAHTI, EKKKI C. APPLICANT: PIERSCHBACHER, MICHAEL D. APPLICANT: GEHISEN, KURT R. TILLE OF INVENTION: INHIBITION OF CELL MIGHATION WITH TITLE OF INVENTION: SYNTHETIC PERTIBES NUMBER OF SEQUENCES: 6	CORRESPONDENCE ADDRESS: ADDRESSEE: PRETTY, SCHROEDER, BRUEGGEMANN & CLARK STREET: 44 SOUTH FLOWER STREET, SUITE 2000 ITTY: LOS ANGELES STRIET: CALIFORNIES STRIET: CALIFORNIES COUNTRY: UNITED STRATES CORPUTER: Eloppy disk COMPUTER: Floppy disk COMPUTER: Floppy disk COMPUTER: Elbopy disk COMPUTER: Elbopy disk COMPUTER: IBM PC Compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFWARE: PREDICTION DATA: REDILICATION NUMBER: US/08/169,743 FILING DATE: US/08/169,743 FILING DATE: US/08/169,743 FILING DATE: US/08/169,743 FILING DATE: US/08/169. APPLICATION NUMBER: US/07/73,106 FILING DATE: US/08/169. APPLICATION NUMBER: 32.547 REDISERNATION THERESA A. REDISTRATION NUMBER: P319502 TELECHONE: 619-535-9601 TELECHONE: 619-535-9601 TELEPAN: 619-535-9601 TELEPAN: 619-535-9601 TELEPAN: 619-535-9601 TELEPAN: Anino acids TYPE: amino acids TYPE: amino acids TYPE: amino acid TOPOLOGY: Linear	Oucry Match 100.0%; Score 35; DB 1; itength 6; Best Local Similarity 100.0%; Pred. No. 2.5e+05; Matches 6; Conservative 0; Mismatches 0; Indels

0;

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PRIOR APPLICATION DATA

PRIOR APPLICATION NUMBER: 07/714.131
FILING DATE: JUNE 10, 199;
FILING DATE: JUNE 11, 199;
FILING DATE: JUNE 11, 1990
FILING DATE: JUNE 11, 1990
FILING DATE: JUNE 11, 1990
APPLICATION NUMBER: 08/117,991
FILING DATE: SEPTEMBER 8, 1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/117,991
FILING APPLICATION DATA:
FILING APPLICATION DATA:
FILING DATE: SEPTEMBER 8, 1993
FILING DATE: SEPTEMBER 17, 1993
                                                                                                                                                                                          US/08/234,997
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION DATA:
APPLICATION NOMBER: 08/199,507
FILING DATE: FEBRUARY 22, 1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                        COMPUTER: IBM pc compatible OPERATING SYSTEM: MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      33,215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER: TELECOMMUNICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEPHONE: (303) 850-9900
TELEFAX: (303) 850-9401
:NFORMATION FOR SEQ ID NO: 1:
                                                                                                                                                WordPerfect 5.1
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Best Local Similarity 100.0
Free 6: Conservative
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LENGTH: 6 amino acids
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APPLICATION NUMBER: US
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Barry J. Swans
REGISTRATION NUMBER:
                                                                                                                                                                                                                                  CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          amino acid
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    Colorado
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                                                                                                                                                                                                                   FILLING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY: U
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE:
                                                                                                                                                    SOFTWARE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 4
US-08-747-137-74
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                                                                                                                                                                  APPLICANT: DIZEREGA ., GERE S
APPLICANT: RODGERS ., KATHLEEN E.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR PREVENTING
TITLE OF INVENTION: ADHESICN FORMATION
UMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 6:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      6; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: Patentin Release #1.5, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: 0S/08/178,482
FILING DATE: 06-JAN-1994
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 0S7/769,231
FILING DATE: 07-NOV-591
FILING DATE: 07-NOV-591
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Beaton & Swanson, P.C.
4582 South Uister Street Parkway, #403
                                                                                                                                                                                                                                                                                                   ROBBINS, DALGARN, BERLINER & CARSON
                                                                                                                                                                                                                                                                                                                     201 NORTH FIGUERCA STREET, FIFTH FLOOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%: Score 35: DR 1; :
100.0%: Pred. No. 2.5c+05;
tive 0; Mismatches 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: SPITALS .. JOHN P
REGISTRATION NUMBER: 29.215
REFERENCE/DOCKET NUMBER: 1920-314
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 977-100;
TELEFAX: (213) 977-100;
INFORMATION FOR SEQ ID NO: 7:
                                                                                                                                                                                                                                                                                                                                                                                                                                             MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 1, Application US/08234997
Patent No. 5683867
                                                                                                    Sequence 7, Application US/08178482
Patent No. 5629294
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
APPLICANT: SUMEDHA JAYASENA
APPLICANT: GREG BIESECKER
APPLICANT: LARY GOLD
APPLICANT: DREW SMITH
APPLICANT: GREY KIRSCHENHEUTER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            : 6 amino acids amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                STREET: 201 NORTH F
CITY: LOS ANGELES
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 90012-2628
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 GRGDTP 6
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1. GRGDTP 6
1 GRGDTP
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SIREET: 458
CITY: Denve
                                                                                                                                                                                                                                                                                                   ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY:
                                                                                    US-08-178-482-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH:
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Gaps
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Parent No. 5945033
Substant INFORMATION:
APPLICANT: YEN, Richard C.K.
TITLE OF INVENTION: NON-CROSSLINKED PROTEIN PARTICLES FOR TITLE OF INVENTION: 1 THERAPEUTIC AND DIAGNOSTIC USE NUMBER OF SEQUENCES: 184
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Iwo Embarcadero Center, 8th Floor CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 6;
ZIP: 80237
CCMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 360 Kb storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Patentin Release #1.0, Version #1.30
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Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 1. Application US/C895659
Patent No. 6083696
Settent No. 6083696
SERREAL INFORMATION:
APPLICANT: GREG BIESEKER
APPLICANT: BREW SMITH
APPLICANT: DREW SMITH
APPLICANT: CARY P. KTRSCHENHEUTER
TITLE OF INVENTION: SYSTEMATIC EVOLUTION OF LIGANDS
TITLE OF INVENTION: SYSTEMATIC FVOLUTION OF LIGANDS
TITLE OF INVENTION: SELEX
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Diskette, 3.50 inch, 1.44 MG storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE: Swanson & Bratschun, L.L.C.
STREET: 8400 E. Prentice Avenue, Suite 100
                                                                                                                  016197 - 00084008
      US 07/641,720
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SCHTMARE: MOTGPETfect 6.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/956,699
FILING DATE: OCTOBER 23, 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: SEPTEMBER 6, 1993
PRIOR APPLICATION DATA:
APPLICATION UNBER: 08,23,935
FILING DATE: SEPTEMBER 17, 1993
PRIOR APPLICATION NATA:
APPLICATION NUMBER: 06,199,507
FILING DATE: FEBRUARY 22, 1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CLASSIFICATION: 435
PRIOR APPLICATION DATA:
PAPLICATION NUMBER: 08/234,997
FILING DATE: APRIL 28, 1994
FRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/714,131
FILING DATE: JUNE 10, 1991
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE: JUNE 11, 1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/117,991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    07/536,428
                                                                                                        REFERENCE/DOCKET OUBSER: 0161.
TELECOMMUNICATION INFORMATION: TELECHONE: 415-576-0200
INFORMATION FOR SEQ ID NO: 176: SEQUENCE CHARACTERISTICS: LENGTH: 6 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM pc compatible OPERATING SYSTEM: MS-DOS
                                                                                          36,429
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                                                                                                                                                                                                                                                                    SS: not relevant not relevant
                         FILING DATE: 15-JAN-1991
ATTORNEY/AGENT INFORMATION:
NAME: Apple, Randclph T.
REGISTRATION NUMBER: 36.4
                                                                                                                                                                                                                                                                                                                                                                                                       6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM: MEDIUM TYPE: Diskette
      APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                           query Match
Best Local Similarity
Matches 6; Conserv
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COUNTRY: USA
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                                                                                                                                                                                                                                               TYPE: amino a STRANDEDNESS:
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US-08-747-137-176
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TITLE OF INVENTION: NON-CROSSIINKED PROTEIN PARTICIES FOR
TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC USE
NUMBER OF SEQUENCES: 184
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Score 35: DB 2; Length 6: 160.0%; Pred: No. 2.5e+65:
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OFFMANING STSTEM: PCTOCS/MS:DOS
OFFMANING STSTEM: PCTOCS/MS:DOS
OFFMANING STSTEM: DATA:
APPLICATION NUMBER: US/08/747.137
FILING DATE: 12-NOV-1996
CLASSIFICATION: 424
PRIOR APPLICATION NUMBER: US 08/212.546
FILING BAPLICATION NUMBER: US 08/205,831
PRIOR APPLICATION NUMBER: US 08/065,831
PRIOR APPLICATION NUMBER: US 08/065,831
PRIOR APPLICATION SATA:
APPLICATION NUMBER: US 08/259,560
FILING DATE: 13-OCT:1992
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSES: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center. 8th Floor
                                                                                                                                                                                                                                                                                                                                                      NAME: Apple, Randolph 7.
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 016197-0008400S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Mismatches
                                                       PRIOR APPLICATION DATA
PRIOR APPLICATION DATA
APPLICATION NUMBER: US C8/212,546
FILING DATE: 14-MAR-1994
PRIOR APPLICATION DATA
APPLICATION NUMBER: US C8/059,831
FILING DATE: 01-UNC-193
PRIOR APPLICATION DATA
APPLICATION NUMBER: US C7/959,560
FILING DATE: 13-0CT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US C7/641,720
FILING DATE: 15-1AM-1991
ATTORNEY AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DCS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 176, Application US/08747137
Patent No. 5945033
                                                                                                                                                                                                                                                                                                                                                                                                                     TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-9200
INFORMATION FOR SEQ ID NO: 74:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SS: not relevant
not relevant
                       12-NON-1996
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Best Local Similarity | Co...
6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LENGTH: 6 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: $loppy :
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CITY: San Francisco
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: amino acid
STRANDEDNESS: not
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
                    FILING DATE: 12 CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 GRGDTP 6
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CA
USA
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US-08-747-137-74
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IOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
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                                 TELEPHONE: (363) 793-3333
TELEFAX: (303) 793-3433
              TELECOMMUNICATION INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 2, Application US/09548697A Patent No. 6586187
                                                                                                                                                                                     LENGTH: 6 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%;
100.0%;
                                                                                                                                                                                                                                                    STRANDEDNESS: single
                                                                                                           INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
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ORGANISM: Artificial Sequence
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SOFTWARE: PatentIn version 3.1
                                                                                                                                                                                                                          TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                     Suery Match
Best Local Similarity 109.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 GRGDTP 6
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US-09-485-653-1
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STAMETHA D. JAVASENA
STAMETHA D. JAVASENA
STAMETHA STAMETHA
DREW SMITH
GARY P. KIRSCHENHEUTER
STATE OF INVENTION OF LIGANUS BY
IITLE OF INVENTION: SYSTEMATIC EVOLUTION OF LIGANUS BY
EXPONENTIAL ENGLEMENT: GLENOED
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CORRESPONDENCE ADDRESS:
STREET: 1745 Shea Center Drive, Suite 330
CITY: Highlands Ranch
STAIF: Colorado
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 35; DB 3; 1
100.0%; Pred. No. 2.5e+05;
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FILING DATE: OCTOBER 23, 1997
APPLICATION NUMBER: 08/234,997
FILING DATE: APRIE 28, 1994
APPLICATION NUMBER: 07/714,131
FILING DATE: JUNE 10, 1991
APPLICATION NUMBER: 07/536,428
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APPLICATION NUMBER: 08/199,507
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APPLICATION UNDBER: 08/117.991
FILING DATE: SEPTEMBER 8: 1993
APPLICATION NUMBER: 08/123,935
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                             NAME: Barry J. Swatton
REGISTRATION NUMBER: 33,215
REFERENCE/MONER: NEX15/7
IELECOMMUNICATION INFORMATION:
TELECHONE: (303) 793-333
TELEPAX: (303) 793-4433
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                                                                                                                                                                  TELEPHONE: (303) 793-3133
TELEFAX: (303) 793-3433
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
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ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 100.
Matches 6: Conservative
                                                                                                                                                                                                                                                                                                                      LENGTH: 6 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                          ; TOPOLOGY: linear
US-08-956-699-1
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TITLE OF INVENTION: Methods for Solid Phase Combinatorial Synthesis of Integrin In FILE REFERENCE: AHP-98202
CURRENT APPLICATION NUMBER: US/09/548,697A
CURRENT FILING DATE: 2000-04-13
PRIOR APPLICATION NUMBER: 60,240,952
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                                                          Gaps
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                                                                                                                                                                                                                                                                                              Sequence 1. Application US/09485653
Patent No. 655321
GENERAL INFORMATION:
APPLICANT: Daniel, Thomas O.
APPLICANT: Stein, Elke
TITLE OF INVENTION: Methods for Determining Cell Responses:
TITLE OF INVENTION: Methods for Determining Cell Responses:
TITLE OF INVENTION: METHOD FINE SECONDESS:
TITLE OF INVENTION: MURBER: US/09/485,653
SURRENT FILING DATE: 2000-02-14
PRIOR APPLICATION NUMBER: US/09/485,653
PRIOR APPLICATION NUMBER: 6C/056,164
FRIOR APPLICATION NUMBER: 6C/056,164
FRIOR FILING DATE: 1998-08-19
FRIOR FILING DATE: 1998-08-19
SECONDESS FILING DATE: 1997-08-19
SOFTHARE: FastSEQ for Windows Version 4.0
  Length 6;
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                                                       Indels
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Overy Match 100.0%; Score 35; 156.4; Best Local Similarity 100.0%; Prod. No. 2.56-05; Matches 6; Conservative 0; Mismatches 0;
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us-09-780-612a-1.lim.rai

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1 GRGDTP 6
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                                                                                                                                              Length 6;
                                                                                                                                                                               indels
                                                                                                                                                                                                                                                                                                                                Sequence 45. Application PC/TUSGR05646
GENERAL INFORMATION:
APPLICANT: University of Connection.
ITLE OF INVENTION: Contraceptive Vactice
NUMBER OF SEGUENCES: 46
CORRESPONDENCE ADDRESS:
ADDRESSE: Hamilton: Brook, Smith & Reynolds, B.C.
STREET: Two Militia Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: Patentin Release #1.0. Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/05640
FILING DATE: 15930610
                                                                                                                                          100.0%: Score 35; Db 4; I
100.0%: Prod. No. 2.5e-05:
1ve 0; Mismarches 0;
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PRIOR APPLICATION NUMBER:
PULING DATE: J092
ATTORNEY/AGENT INFORMATION:
NAME: BLOOK, DEVIGE: 2,592
REFERENCE/DOCKET NUMBER: 0CT90-01AA
TELEFANION NUMBER: 0CT90-01AA
TELEFANION NUMBER: 0CT90-01AA
TELEFANION SOCKET NUMBER: 0CT90-01AA
TELEFANICATION: 18PCHMATICN:
TELEFANICATION: 661-954C
INFORMATION FOR SEQ ID NO: 45:
EROGTH: 6 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSIEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 46, Application US/U7720222
Patent No. 5190873
GENERAL INFORMATION:
                                                                                      : OTHER INFORMATION: synthetic
US-09-548-697A-2
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Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                             6; Conservative
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: peptide
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                                                                                                                                    Query Match
Best Local Similarity
Matches 6; Conserv
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1 GRGDTP 6
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                                                       ORGANISM: unknown
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PCT-US93-05640-45
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STATE: MA
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SEQ ID NO 2
LENGTH: 6
                                        TYPE: PRT
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APPLICANT: Bourdon, Mario
APPLICANT: Youderian, Phil
TITLE OF INVENTION: TYPRID PROTEINS CONTAINING EINDING SITES
NOMBER OF SQUENCES: 58
CORRESPONDENCE ADDRESS:
ADDRESSEE: Bingham of the Containing of the Correspondence of the Containing Sites
ADDRESSEE: Bingham of the Containing Sites
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APPLICANI: KOJIMA, MASAYOShi
APPLICANI: KOMAZAMA, Hiroyuki
TIILE OF INVENTION: CM-CHITIN DERIVATIVES AND USS THEREOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                :: Sughrue, Mion, Zinn, Macpeak, & Soas
2100 Pennsylvania Avenue
                                                                                                                                                                                                                                                                                                                       OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Vorsion #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: Patentin Release #1.0, Version #i.25 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/07/780.790A FILING DATE: 19911623 CLASSIFICATION: 530
                                                                                                                                                   E: Bingham & Fitting
11230 Sorrento Valley Road, Suite 266
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 C1B0512P
                                                                                                                                                                                                                                                                                                                                                                                       US/07/720,22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 6, Application US/07780790A Patent No. 5298488
                                                                                                                                                                                                                                                                            FILLING DATE:
ATTORNEY-AGENT INFORMATION:
NAME: Bingham, Douglas A.
REGISTRATION NUMBER: 32,457
REFFRENCE/DOCKET NUMBER: CIH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: Washington
STATE: District of Columbia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-587-3533
INFORMATION FOR SEQ ID NO: 46:
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83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 83.3x
S. Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US
FILING DATE: 19910621
CLASSIFICATION: 530
PRICE APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                       19910621
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE: peptide US-07-720-222-46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
ADDRESSEE: Sughrue,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                        CITY: San Diego
STATE: California
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         unknown
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JELEPHONE:
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US 08-251-027-13
                                                                                                                                                                                                                                                                                                                          COUNTRY:
                                       JS-08-234-979-3
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                                                                                                                                                                                                                                                        Gaps
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                                                                                                                                                                                                                 Score 31, D3 1; Length 6; Pred, No. 2.56+05; 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: METHOD FOR SENERATING AND SCREENING TITLE OF INVENTION: USEFU: PEPTIDES NUMBER OF SEQUENCES: 26 CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Indeis
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWAREN STATEMENT OF STATEMENT OF STATEMENT APPLICATION DATA.

APPLICATION NUMBER: 35.77.732,203
FILING DATE: 1-AUG-1992
CLASSIFICATION: 4.5
ATOMNEY/AGENT NEPRATION:
NAME: COPER: 1VER P.
REGISTRATION NUMBER: 28,005
REFRENCE/DOCKET NUMBER: 28,005
TELECOMMUNICATION: NUMBER: 28,005
TELECOMMUNICATION: NUMBER: 28,005
TELECOMMUNICATION: NUMBER: 28,005
TELECOMMUNICATION: 1000-3878
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: BROWDY AND NEIMARK STREET: 419 SEVENTH STREET, N.W. CITY: WASHINGTON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DUS/NS-DOS
                                                                                                                                                                                                                                                                                                                                                                          RESULT 13
US-07-932-200-11
Sequence 11, Application US/07932200)
Patent No. 5366862
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: VENTON, DUANE L.
APPLICANT: HOPFINGER, ANTON J.
APPLICANT: LE BRETON, GUY
TELECOMMUNICATION INFORMATION:
             TELEPHONE: (202)293-7060
IELEFAX: (202)293-7860
IELEX: 6401103
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTER:STICS:
LENGTH: 6 aming acids
IYPE: AMINO ACID
                                                                                                                                                                                                                   88.6%;
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Best Local Similarity 83.3'
Matches 5; Conservative
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Best Local Similarity 83.3
Matches 5, Conservative
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MOLECULE TYPE: peptide
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APPLICANT: Lider, ofer
APPLICANT: Greenspoon, No. 5519065m.
APPLICANT: Greenspoon, No. 5519065m.
APPLICANT: Hershkoviz, Rami
APPLICANT: Hershkoviz, Rami
TITLE OF INVENTION: A METHOD OF INHIBITION OF CELLULAR AND
TITLE OF INVENTION: MOLECULAR LEVEL BIOLOGICAL INTERACTIONS UTILIZING
TITLE OF INVENTION: NON-PEPTIDIC SURROGATES OF THE ARG-GLY-ASP SEQUENCE
NUMBER OF SEQUENCES: 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                        APPLICANT: Schreiber, Rouda
APPLICANT: Polarek, James
APPLICANT: Polarek, James
APPLICANT: Tanuer, Richard
APPLICANT: Harper, John
TITLE OF INVENTION: Compositions that inhibit Wound
TITLE OF INVENTION: Contraction and Methods of Using Same
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            88.6%: Score 31; Es 1; Longth 5; 83.3%; Pred. No. 2.50-05; active 1; Mismatches 0; Indels
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ADDRESSEE: Kohn & Associates
STREET: 30500 No. 5519005thwestern Highway, Suite 410
CITY: Farmington Hills
STATE: Michigan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/234,979
FILING DATE: 28-APR-1994
CLASSIFICATION: 514
                                                                                                                                                                                                                                                                           ADDRESSEE: Campbell and Flores
STREET: 4370 La Jolla Village Drive, Suite 706
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-1A 9955
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Segmence 13, Application US/08251027
Patent No. 5519005
Sequence 3, Application US/08234979
Patent No. 5510328
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (619) 535-9001
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 IELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity 83,3
Matches 5, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LENGIH: 6 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE: peptide US-08-234-979-3
                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                     STREET: 4370 La Jo
CITY: San Diego
STAIE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM PC OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    amino acid
                                                      GENERAL INFORMATION:
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Query Match 88.6%; Score 31: 58.1; Length 6; Best Local Similarity 83.3%; Prod. No. 2.5e-05; Matches 5: Conservative 1; Mismatches 0; Indois
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatibio
COMPUTER: IBM PC compatibio
OPERATING SYSTEM: PC-DOS/WS-DOS
SOFTWARE: Patentin Release #1.6, Version: #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/251,027
FILING DATE:
CLASSIFICATION: 514
ATTORNEY/AGENT INPORMATION:
NAME: WEGISTRATION NUMBER: 36,955
TELECOMMUNICATION NUMBER: 36,955
TELEGOMMUNICATION NUMBER: 36,955
TELEGOMMUNICAT
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C. Gars

Search completed: September 16, 2003, 18:21:21 Job time: 17 secs

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                                                                                                   September 16, 2003, 18:17:03; Search Lime 38 Seconds (without allguments) 25:062 Million cril apdates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | SIDS: /gcqdata/geneseq/geneseqp-ent/./AA1980.DAT; |
| SIDS: /gcqdata/geneseq/acneseqp-ent/./AA1981.DAT; |
| SIDS: /gcqdata/geneseqy-acneseqp-ent/./AA1982.DAT; |
| SIDS: /gcddata/geneseqy-geneseqp-ent/./AA1982.DAT; |
| SIDS: /gcgdata/geneseqy-geneseqp-ent/./AA1983.DAT; |
| SIDS: /gcgdata/.geneseqy-geneseqp-ent/./AA1983.DAT; |
| SIDS: /gcgdata/.geneseqy-geneseqp-ent/./AA1983.DAT; |
| SIDS: /gcgdata/.geneseqy-geneseqy-geneseqp-ent/.
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compuge: Ltd.
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                                                                                                                                                                                                                                                                                                             1107863 seqs, 158726574 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SUMMARIES
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Maximum Match 100%
Listing first 45 summaries
                                                                       OM protein - protein search, using sw model
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AAR47384
AAW94571
AAY50314
AAY31227
AAY31228
AAW84459
AAW84459
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Gapop 10.0 / Gapext 0.5
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length: 6
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Perfect score:
Sequence:
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Maximum DB seq
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                                                                                                           Run on:
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	i M		200			٠.	AAR04612		Antiviral agent.
	σ,	٦.	88.6			. 4	AAR06455		Fibronectin derive
	in in		9.00			ma	AAR29063 AAB20069		Peptide contg. RGI
			98			ח ריי	AAR27033		Peptide libid cont
	ക	-	88.6			m.	AAR29054		Peptide lipid cont
	en c		9.88			m. c	AAR29056		Peptide contg. RGD
	. m	- -	88.6			~ ~	AAR29070		Selatin deriv. pep
	e	_	88.6			m	AAR25814		Polyethylene glyco
	m r	٦,	89.6			۸۰.	AAR24212		Fragment of tenaso
	7 W	-1 C	9 00 9 00 9 00 9 00			n ~	AAR24241		Cell adnesive pepu Activation indepen
	. ~	1 < 1	9.88			, ~	AAR25425		Peptide deriv. con
	7 3	C4	98.6			m	AAR26807		Propen-amido pepti
	en e		9.88				AAR29158		PEG-contq. peptide
	n m	, ,-	0.00		~ -		AAR36705 AAR36710		Adhesion formation
	i m	, ,,	88.6				AAR36712		Adhesion formation
	2.	~	88.6				AAR35465		Propone-amide deri
	ω.	,, ,	9.68				AAR32387		Fibrinogen fragmen
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	r en	-, ب	9 8 8		. , .		AAR37834		Sell adhesion moti
) (e.	, ,					AAR44046		AGD peptide deriva
	e .	٦,	88.6		· ·		AAR70654		Synthetic RGD pept
	en e	٦,	9.68		~ ·		AAR49801		Sequence of peptid
	5 C	r-	or or or or		0.0		AARU/890 AAR70478		Binding Site Geriv Cancer metastasis
		, ,-	988				AAR71456		Competitor fibrone
	i en	res	88.6				AAR79077		Alpha5/betal integ
	en e	,-1 ,	88.6		9	٠ <u>٠</u>	AAR80966 AAG07431		RGD contg. peptide
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10,	26 ACG -	ω.	-	ഗ	Ľ.	_			
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E.	13-MAY-1	. 6663							
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X a	07 - NOV - 1	1991;		91US-07892	392	31.			
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ř	WPI; 199	3-18	738	1/20.					
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                                                                               The sequence is that of an RGD-conty, peptide which is used in a method for prevention of adhesion formation for a time sufficient to permit tissue repair. The method is used for minimishing or preventing adhosion ionration, partic. In the peritoneum following surgery, but also for e.g. cardiovascular, orthopodic, thoracle, ophthalmic, CNS and other uses. In adds, the peptide inhibits platelet aggregation and does not induce inflammation or mrauna at the site of administration.

(Updated on 25-MAR-2003 to correct PN field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PH-20; PH-30; contraceptive; fertilisation; sperm surface protein;
 administering a RGD-conty, peptide tor a time similarent to permit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 7 describes the use of PH-30 beta disintegrin peptides as inhibitors of sperm fusion to egg plasma membrane. Modified peptides AAR47382-83 and control peptides (AAR47384-85)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Contraceptive vaccine for reducing sperm-esg susson , comprises peptide from sperm surface protein which ssimulates antibody
                                                                                                                                                                                                                                                                                                                                  Ċ
                                                                                                                                                                                                                                                                                              100.0%: Score 35; DB 14; Length 6:
100.0%: Pred. No. 9:40-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       were tested. From observations it was concluded that the PH-30 Deta disintential domain represents an epitope which is critical in speries-eqq fusion.
(Updated on 25-MAR-2003 to correct PN field.)
                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                  S
                                                                                                                                                                                                                                                                                                                                 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PH-30 beta disintegrin control peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 7: Page 27: 79pp: English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAR47384 standard; Protein; 6 AA.
                                                    Example: Page 18: 22pp: English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        93WO-US0564C.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (updated)
(first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  vaccine, sperm-egg fusion.
                                                                                                                                                                                                                                                                                            Query Match 100.
Best Local Similarity 100.
Matches 6: Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (UYCO-) JNIV CONNECTICUT.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Primakof: P;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 1994-067200/01.
                                                                                                                                                                                                                                                                                                                                                                   1 GRGDIP 6
                                                                                                                                                                                                                                                                                                                                                                                     6 AA;
                                                                                                                                                                                                                                                               6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Rubella virus
                     tissue repair
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   W09325233-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      :0-JUN-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       12-JUN-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          25-MAR-2003
22-JUN-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       23-DEC-1993.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Myles DG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAR47384:
                                                                                                                                                                                                                                                             Sequence
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AAR47384
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DB 15; Length 6;

100.0%; Score 35:

Query Match

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAW07430 is a preferred peptide identified in an assay for testing peptides for tumour-invasion inhibitory activity. The peptides (conts. the RGD sequence) shows significant inhibition of tumour invasion of the ECM. Other peptides tested (see AAW07431-W06433) did show inhibitory activity but to a lesser extent than peptide AAW0740. The peptides identified can be used to treat cancer and to prevent metastasis, in partic, invasion of the extracellular matrix (ECM).
                                                                                                                                                                                                                                                                                                                                                          Tumour invasion: extracellular matrix; ECM: metastasis; RSD sequence;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Lahibiting tumour cell invasion through an extracellular matrix -
using applide contg. the RUD sequence, partic. for preventing tumour
medastasis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0
                   ;
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                     line's
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          :ndels
                                                                                                                                                                                                                                                                                                                       Synthetic, preferred tumour invasion-inhibitory poptide.
                   ن
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 35; DB 17;
Pred. No. 9.3e+05;
 Pred. No. 9.3e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The peptides are soluble. (Updated on 25-MAR-2003 to correct PF field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pierschbacher MD, Ruoslahti El
                     Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 2: Column 7-8; 8pp: English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (LJOL-) LA JOLLA CANCER RES FOUND
                                                                                                                                                                                     AAW07430 standard; peptide: 5 AA
                   .;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; S
Milarity 100.0%; P
Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 93US-0169743.
83US-0554821.
85US-074981.
88US-0166530.
88US-0242713.
91US-0660526.
91US-069185.
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  93US-0169743.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       92US-0902742
                                                                                                                                                                                                                                                                                                                                                                                cancer; inhibition; control
                                                                                                                                                                                                                                                                                     (first entry)
                     6; Conservative
                                                                                                                                                                                                                                                                  (updated)
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Best Local Similarity
Than 6; Conserve
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 best Lecal Similarity
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                                                       1 GRGDIP 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               6 AA;
                                                                                                                                                                                                                                                                25-MAR-2003
21-JAN-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17-DEC-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  10-APR-1991;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     17-DEC-1993,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       US5547936-A
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20-AUG-1996
                                                                                                                                                                                                                                                                                                                                                                                                                    Synthetic.
                                                                                                                                                                                                                          AAW0743C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            .-GES-60
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  25-FEB-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  08-0CI-
                   Main:es
                                                                                                                                                   RESULT 3
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RESULT 4 AAR9457.1 antibody

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This invention describes a nevel method for the use and preparation of cell activating compositions which levelves preparing a cell activating compositions which levelves preparing a cell activating composition (a) homogenial in pomposition to higher pit to produce a formerable thissue in baffer at particulates from the homogenate; (c) optionally incubating the resulting homogenate, with particulates removed, with a protease, and (d) fractionating the homogenate and selecting fractions that exhibit cell activation activity. The methods can be used for improving traction activity. The methods can be used for improving traction activity. The methods can be used for improving traction disease, including the disease, and diabetic complications, stroke, ischemia, copan rejection, diabetes and diabetic complications, stroke, ischemia, also and a final protein and activities of a non-human subject. They can be used in the vertainty treatment of a non-human subject. Protease inhibitors can be used to lower reli activation resulting from those diseases and deficiencies. The electric of an elevated level of reformed between the insert of plasmatory condition. An elevated level of provence of electric or in inflammatory condition. An elevated level of plasmatory condition and in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           presence of superoxide dismittase (SGD) indicates leukneyte up regulation, e.g. indicative of the obser of an acute cardiovascular disorders, such as disease chart or inchemic complications. An obserted leave, of hydrogen peroxide in blasma or whole blood and a low level in the presence of SOD is indicative of a chronic or uname compromised condition e.g. hyperfection or sepsis. AAV50201-V50334 represent peptides used in the method of the invention.
                                                                                                                                                                                                                                                                                                                               Use of cell activating compositions in developing products for diagnosis and treatment of e.g. cardlovoscular, inflammatory, autofimmum or Alzhemmer's disease, traumu, arthritis, organ rejection, diabetes, stroke or ischemia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Non-crosslinked protein particle: diaquestic; therapy: menodisperse; albumin; haemoglobin; nanometer; micrometer; elearance.
                                                                                                                                                                                                                                       Hugli TE, Kistler E:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 35: DB 20;
100.0%; Pred. No. 9.4e+05;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Non-crosslinked protein particle peptide 176
                                                                                                                                                                                                                                       Stoughton RB, Schmid-Schonbein GW,
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 9; Page 184; 184pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAY31127 standard; peptide; 6 AA.
                                                                                                                                     (CELL-) CELL ACTIVATION INC. (REGC ) UNIV CALIFORNIA. (SCRI ) SCRIPPS RES INST.
                                                                                          9803-0038694.
                                             99WO-0SC5247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity 100. es 6; Conservative
                                                                                                                                                                                                                                                                                  WPI: 1999-580234/49.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 GRGDIP 6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GRGDTP
                                             11-MAR-1999;
                                                                                             11-MAR-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  21-CCT-1999
16-SEP-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Synthet; c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sednenco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAY31127;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAY31127
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c.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Cell activation, parcreas, treatment, cardiovascular disease: trauma, inflammatory disease, autoimmune diseases, arthritis, diabetes, siroke, organ rejection, ischemia, Alzheimer's diseases, myocardiai infarction, haemorkhagic shock, diabetic retinopatin; venous insufficiency, applia; trauma, protease inhibitor, hypertension; sepsis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RGD peptides (AAR94570 and AAR9457), inhibitors of cell attachment to type I collagen, inhibited attachment of chicken fibroblasts to cytotactin (see also AAR94547-48) by 73% and 70% respectively. Inhibition was total when the peptides were used together with 5622, a function-blocking emonocloned antibody against the beta-i interpiations suggests that there are 2 integran binding sites on cytotactin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sin Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    stimulating neuronal cell attachment, neurite out-growth and cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Cytotactin polypeptide(s), derivs, and antibodies - capable of
                                                                                                                                                                                                                                  Cytotactin; neuron; neurite; cell attachment; cell elongation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Lasngth 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Neutrophil-activating pancreatic derived peptide il4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 35; 56:17;
100.0%; Pred. No. 9.3e-05;
Live 6; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Prieto AL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 5: Page 81: 159pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAY50314 standard; Peptide: 6 AA.
                                          AAR94571 standard; Peptide; 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                   95WO-CS:1684
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12-JAN-2000 (first entry)
                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Crossin KL, Phillups G,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SCRI ) SCRIPPS RES INST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 1996-179904/18
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   14-SEP-1995;
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                                                                                                                                                                                                                                                                                                                                                      W09608513-A1
                                                                                                                                     21-JUN-1996
                                                                                                                                                                                                                                                                                                                                                                                                   21-MAR-1996
                                                                                                                                                                                     RGD peptido
                                                                                                                                                                                                                                                                                                         Synthetic
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Matches

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RESULT 5 AAY50314

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Gaps

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microorganism
 12-NOV 1996;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   10-JUN-1997;
                                                                                                     Example 22:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         17-DEC-1998
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                             AAW84459;
                                                                                                                                                                                                                                                                                     Sequence
                                                                                                                                                                                                                                                                                                        Query Match
                                        Yen RCK;
                                                                                                                                                                                                                                                                                                                          Matches
                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 8
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                                                                                                                                                                                                                             This invention describes a novel aqueous suspension of Conodisperse particles on non-crosslinked non-denatured albumin (56-500 ur) which is stable against dissolving upon dilution with an alcohol-free aqueous medium. The method involves (a) forming an aqueous solution containing albumin and hemoglobin and (b) treating the aqueous solution containing albumin and hemoglobin and (b) treating the aqueous solution with an alcohol to cause the solution to become turbid. The particles are useful as agents for in vivo administration, either of their own administration or as a vehicle for other therapeutic or diagnostic agents. The method permits the formation of albumin and hemoglobin particles in the nanometer and micrometer size range, in a form closer to their natural form than the forms of the prior art. The particles therefore constitute amore closely controlled agent for in vivo administration, with greater asset of clearance from the body after their period of usefulness.

ANY30952-Y31135 represent peptides used in the method of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                   80.85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Non-crosslinked protein particle; diagnostic, ferapy, monodispersorabumin, baemoglobin; nanometer; micrometer; clearance.
                                                                                                                                                                                        Non-crosslinked protein particles for therapeutic and diagnostic
                                                                                                                                                                                                                                                                                                                                                                                                                                 .;
0
                                                                                                                                                                                                                                                                                                                                                                                                              Length 6:
                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
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                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 35; DB 20; 100.0%; Pred. No. 9.3e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Non-crossinnked protein particle poptide 74.
                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
                                                                                                                                                                                                            Example 22; Column 123-724; 65pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAX31025 standard; peptide: 6 AA
                                                             940S-0212546.
910S-0641720.
920S-0959560.
930S-0069831.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              94US-0212546.
91US-0641720.
92US-0959560.
93US-0069831.
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                                          9508-0743137
                                                                                                     95US-0747137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first ontry)
                                                                                                                                                                                                                                                                                                                                                                                                                     Similarity 100.
6; Conservative
                                                                                                                          (HEMO-) HEMOSPHERE INC.
                                                                                                                                                                  WPI; 1999-508153/42.
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                                                                                                                                                                                                                                                                                                                                                                                         6 AA;
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13-OCT-1992;
01-JUN-1993;
                                                                      15-JAN-1991;
13-OCT-1992;
01-JUN-1993;
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US5945033-A
                     31-AUG-1999
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Best Local S
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This invention describes a novel aqueous suspension of renedispense particles on non-crosslinked, non-denglured albumin (56-500 mm) which is stable against dissolving upon dilution with an alcohol-tree aqueous medium. The method lavolves (a) forming an aqueous solution containing albumin and hemoglobin and (b) treating the aqueous solution with an alcohol to cause the solution to beceme turbid. The particles are useful as agents for in vivo administration, either of their own administration or as a vehicle for other therapeutic of diamostic agents. The method permits the formation of albumin and hemoglobin particles in the canomater and micrometer size rango, it a form closer to their netural form than the forms of the prior art. The particles therefore constitute among the prior art. The particles therefore constitute as more closely controlled agent for in vivo administration, with greater case of clearance from the body after their period of the invention.

ANY3052-Y31135 represent peptides used in the method of the invention.
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                                                                                                                                                                                                                                                                                               Non-crosslinked protein particles for therapeutic and diagnostic use
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Method for treating mammal infected by pathogenic Ficroorganism comprises administering to mammal composition comprising inhibitory compound which inhibits adherence to or invasion of a ceil by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RGD peptide that stimulates cell invusion by S. pyogenes 90 226
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0;
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cell adhesion; cell invasion; treatment; bucterial infection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 6:
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100.0%; Pred. No. 9.3e+05;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                          Column 81-82; 65pp; English.
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96US-6747137
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                                                                          (HEMC-) HEMOSPHERE INC
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                                                                                                                                                                                                                            WPT: 1999-508153/42
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ches 6; Conserv
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fungal infection.
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                             antiarthritic, ophthalmological, osteopathic;
amido-carboxylic acid derivative; cancer, andiogenesis;
neovascularisation; macular degeneration; alaucoma; blindness
rheumatoid arthritis; restencis; viral infection; bone resorption
osteoporosis; osteopenia; periodomial disease; hyperparathyroidis;
Paget's disease; integrin virromectin receptor; alpha_wheta; % metaloma.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New amido-carboxylic acid derivatives are integrin inhibitors used i
treating e.g. cancer, restenosis, osteoporosis, viral infection and
bone disease
                                                                                                                                                                                                                                                                                                                                                                                                                   Antiviral: antiinflammatory: cytostatic: vasotropic: antirheumatic)
                        stimulate cell invasion by Streptococcus pyogenes 90-225. The peptides were used in the course of the invention. The specification describes the treatment of a mammal infected by a pathogenic macroorganism which comprises administering an inhibitory compound to inhibit adherence to or invasion of cells by the pathogen. The method is used in the treatment of bacterial or fungal infection.
                                                                                                                                                                                                                                                                                                                                                                                         Peptide #3 used to assay vitromectin receptor binding inhibition.
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                                                                                                                                                                     38 20: Length 6;
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                                                                                                                                                                     100.0%; Score 35; DB 20; 100.0%; Pred. No. 9.3e+05;
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Example 2; Page 43: 68pp; English.
                                                                                                                                                                                                                                                                                                                 AAB28163 standard: peptide: 6 AA.
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Best Local Similarity
Matches 5; Conserv
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which was used as a reference compound in un assay for the ability of the
                            amido-carboxylic acid derivatives of the present invention to inhibit integrin vitronectin receptor (a)pha_vbeta_3) binding. Integrin alpha_vbeta_3 has been shown to mediate the invasion of cancerous melanoma cells into healthy tissue and to protect these cells against apoptosis. In addition, vitronectin receptor arragonists have been shown to labibit the growth of various solid tumours of human origin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  System for reconstructing osseous tissue, useful e.g. for treating fractures, comprises scaffold containing premoter of bone formation and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                tissue comprising a scaffold carrying a compound (1) that promotes bone formation and a component that decreases bone resorption (II) induces migration and adhesion of osteoblasts and osteoclasts and (II) inhibits proteolysis (specifically by plasmin) of extracellular matrix. (I) is preferably selected from: solectin or solectin binding fragments, proteins and peptides that facilitate cell adhesion,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The invention relates to a novel system for reconstitution of osseous
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             scaffold matrix; bone formation promoter; bone resorption inhibitor; cell adhesion; osteoblast; osteoclast; bone defect; fracture.
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100.0%; Pred. No. 9.3e+05;
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hes 6; Conservative
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RESULT 11 AAB91972

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The invention relates to experimental models for studying neurodegenerative diseases associated with amyloid accumulation. The activity of peptides of the invention may be described as seuroprotective and anti-Alzheimer's. They act by infibiting amyloid accumulation. The experimental model may be used to study neurodogenerative diseases experimental model may lot accumulations, e.g. Alzioner's diseases and to identify potential therapeutic agents for iteating those diseases. The current sequence represents an integrin modulator poptide of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Experimental models for studying neurodegenerative discuses associated with amyloid accumulation, useful for studying e.g. Altheimer's disease and for identifying potential therapeutic agents -
                                                                                                                                                                                                                                                                                                                         Neurodogemerative disease, amyloid: neuroprofesive: and Alzheimer's; Alzheimer's disease, integrin; therapeutic agent.
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100,0%; Pred. No. 9.36+65;
.ve 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                       integrin medulator peptide #5.
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(first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                 WC200226107-A2
                                                                                                                                                                                                                                                                                                                                                                                        Unidentified.
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05-SEP-1990
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                                                                                                                                                                                                         ABB80076;
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AARO4612
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The present invention describes a modified therapeutic peptids (1) comprising a therapeutically active amino acid region (11) and a less therapeutically active amino acid region (11) and a less therapeutically active amino acid region (17) which covaluatly active amino acid region (17), which covaluatly bonds with amino/Mydraxyl/thiol groups on blood compenents to form a peptidase stabilised therapeutic peptide composed of 4-50 amino acids (2) are useful for modifying therapeutic peptides e.g. hormours, growth in vivo for the treatment of various disorders. Endogenous thompsuric peptides are not suitable as after candidates as they require frequent peptides are not suitable as after candidates as they require frequent administration due to rapid degradation by peptidases in the body. Modifying and attaching therapeutic peptides to albumin prevents in reduces the action of peptidases to increase length of activity (half life) and specificity as bonding to large moleculus decreases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Modifying and attaching therapeutic peptidos to albumin prevents peptidase degradation, useful for increasing length of in vivo activity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Saps
                                                                                                                                                                                                                                                                                                                                                                                                                          Protection, endogenous therapeutic peptide; poptidase; conjugation;
blood component; modification; succinimidy); maleimido group; amino;
hydroxyl; thiol; hormone; growth factor; neurotransminter.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               intracellular uptake and interference with physiclogical processes. AABS0829 to AABS2441 represent peptides which can be used in the exemplification of the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ::
                                                                                                                                                                                                                                                                                                                                                                                      Fibronectin fragment and fibrin related peptide SEQ ID NO:1148.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Thibaudeau K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 35; DB 22; Jenqth 6;
100.0%; Pred. No. 9.3e+05;
ative 0; Mismatches 0; Indels
                                                                                Indels
                                           Lengal h
                                      Score 35: DB 21;
Pred. No. 9.3e+35;
// Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Hoimes DL,
                                                                                6. Mishatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure, Page 571; 733pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Milner PG,
                                                                                                                                                                                                                                                                 AAB91972 standard: Peptide; 6 AA.
                                         100.0%;
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  990S-0153406.
990S-0159783.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              99US-0134406
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       17-MAY-2060; 2000WO-US13576
                                                                                                                                                                                                                                                                                                                                                 (tirst outry)
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Best Local Similarity 190.
Matches 6: Conservative
                   Query Match
Best Local Similarity lun-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ezrin AM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (CONJ - ) CONJUCHEM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2001-112059/12.
                                                                                                                      1 GRUDIP 6
                                                                                                                                                . H. H. H.
1 GRODIP 6
6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO200069900-AZ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  10-SEP-1999;
15-OCT-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17-MAY-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Home saplens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Bridon DP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic.
                                                                                                                                                                                                                                                                                                        AAB91972;
  Seguence
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NAME OF THE PROOF OF THE PROOF

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Gaps ö

Length 6; Indels ő

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The poptide sequence octains the Arg-Gly-Asp motif of cell adhering proteins. It comprises the essential unit of a water-sol, vinyl polymer with a prof. mol. wt. of 3000-100,000 D. The polymer shows various biological actvities, e.g. immunological coordination, wound healing action and platelet aggregation inhibiting action etc. See also AAR29062-8.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Peptide contg. RGD motif as a side chain to a water sol. polymer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Adhesive peptide: cell adhesion; inhibitor; piatolet aggregation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                   :0
    of attachment to tenascin by Arg-Gly Asp contg. poptides. It completely inhibited attachment at a concu. of 500mg/ml, 35-50-Gld lower than needed for comparable inhibition of cell attachment to virromectin and fibromectin resp. (Updated on 25-MAR-2003 to correct PA field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Water-soluble vinyl polymer deriver for animal cell adhesion inhibitor or platelet aggregation inhibitor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      88.6%: Score 31; DB 13; Length 6: 83.3%; Pred, No. 9.3e-05; Live 1; Mismatches 0; Indels
                                                                                                                                                                                                                   0; lodels
                                                                                                                                                                       DB 11;
9.3e+05;
                                                                                                                                                                       Score 31; DB 1
Pred. No. 9.3e*
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /note- "alkylated/a:ylated"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /noter "alkylated/arylated"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Search completed: September 16, 2003, 18:19:41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example: Page 12: 14pp; Japanese
                                                                                                                                                                                                                                                                                                                                                                                                           AAR29063 standard; peptide; 6 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (FUJE ) FUJI PHOTO FILM CO LID.
                                                                                                                                                                       88.6%;
83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      90JP-0404347
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                                                                                                                                                                                                                5, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 1952-313680/38.
                                                                                                                                                                                             Sest Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |,||:|
GRGDSP 6
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| GRGDSP 6
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                                                                                                                                 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 modified_site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthefic.
                                                                                                                                 Sednence
                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAR29063;
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                                                                                                                                                                         Query Match
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      8×355538
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                                                                                                                                                                                                                                                                                                                                     Antiviral agent contg. trippeptide (unit) - of basic aminoacid, then alamine, qiycine or sarcosine, and acidic aminoacid, effective adainst virus with protein-terminated DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Peptide is effective against inhibiting propogation of DNA or RNA bonded, protein containing viruses od. Poliovirus, Bepailitis virus. (Updated on 25-MAR 2003 to correct PA Field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The peptide was used in ceil attachment assays to show inhibition
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ÷
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Tenascin-induced cell attachment - interacts with tenascin in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score %1: DB 11: Length 6:
Fred. No. 3.3er05;
1: Mismatches 6: Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                arginine-glycine-asparagine dependent manner.
Antiviral; M2; poliovirus; polio, heatitis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Fibronectin derived RGD-contq. paptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure: Page ?; 4pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (LJOL-) LA JOLLA CANCER RES FOUND.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example II: Page 9; 22pp; English
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83,38;
                                                                                                                                                                    88JP-6228843.
                                                                                                                                                                                                                8839-0228843
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(first_entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity 94.3
Matches 5: Conservative
                                                                                                                                                                                                                                                      (NIHA ) NIPPON MINING CO.
                                                                                                                                                                                                                                                                                                WP1: 1990:129060/17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ruoslahti E:,
                                                                                   JP02078631-A
                                                                                                                                                                    14-SEP-1988:
                                                                                                                                                                                                              14-SEP-1988;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     25-MAR-2004
04-JAN-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               23-JAN-1990;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         24-JAN-1989;
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                                                                                                                           19-MAR-1990
                                           Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence
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Job time : 39 secs

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Sequence 28, Appl
Sequence 45, Appl
Sequence 3, Appli
Sequence 5, Appli
Sequence 5, Appli
                                                                                                                                                                                                                     6 . Search time 25 Seconds (without alignments) 35.734 Million cell updates/sec
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /cmi2_6/Ficatia/2/pubpaa/US07_puBcowh, pop: *
/cgm2_6/prodatia/2/pubpaa/DCT_NWL_PUB.pep: *
/cgm2_6/prodatia/2/pubpaa/DCS_NWL_PUB.pep: *
/cgm2_6/prodatia/2/pubpaa/US06_PUBCOWB.pep: *
/cgm2_6/prodatia/2/pubpaa/US07_NWR_PUB.pep: *
/cgm2_6/prodatia/2/pubpaa/US03_NWR_PUB.pep: *
/cgm2_6/prodatia/2/pubpaa/DS03_NWR_PUB.pep: *
/cgm2_6/prodatia/2/pubpaa/DS03_NWR_PUB.pep: *
/cgm2_6/prodatia/2/pubpaa/US03_NWR_PUB.pep: *
/cgm2_6/prodatia/2/pubpaa/US03_NWR_PUB.pep: *
/cgm2_6/prodatia/2/pubpaa/US03_NWR_PUB.pep: *
/cgm2_6/prodatia/2/pubpaa/US03_NWR_PUB.pep: *
/cgm2_6/prodatia/2/pubpaa/US03_NWR_PUB.pep: *
/cgm2_6/prodatia/2/pubpaa/US03_NR_PUB.pep: *
//cgm2_6/prodatia/2/pubpaa/US03_NR_PUB.pep: *

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/cqn2_6/ptc3ata/2/pubpaa/USC9C_PUBCOM3.pep:-
/cqn2_6/ptodata/2/pubpaa/USC9_NBW_PUB.pep:-
/cqn2_5/ptodata/2/pubpaa/USC9_BUBCOM3.pep:-
/cqn2_5/ptodata/2/pubpaa/USC10B_PUBCOM3.pep:-
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              15287
GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Dud.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-841-321A-28
US-09-841-321A-46
US-09-871-974-3
US-09-972-772-31
US-10-262-435-5
US-10-325-021-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                556269 seqs, 148893369 residues
                                                                                                                                                                                                                     September 16, 2003, 18:19:48
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                   OM protein - protein search, using sw model
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35
                                                                                                                                                                                                                                                                                                                                                                                                                                              1 GRGDTP 6
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Maximum DB seq length: 6
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Perfect score:
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ALIGNMENTS

esult being printed, tribution.				Description	Sequence 1, Appli	Sequence 33, App.	Section 1, Appli	Segrence 28, App.		Sequence 15, App.		Sequence 2: Appl	Secuence 1. Appli	.,
eater than or equal to the score of the result beams printed, brived by analysis of the total score distribution.	SUMMARIES			10	12 US-10-420-029-1	US-10-067-270-33	US-10-263-456-1	US-09-837-969A-28	US-09-837-969A-46	US-09-888-260-15	US-09-961-834-1	US-09-364-597A-21	US-09-177-843-1	
qua) sis				60	12	7,4	1.5	6	5	6	5	10	C	
ian or e iy analy				Match Length DB 1D	9	ų,	9	æ	ç	\$	5	ç	9	
r th ed b			Query	tch	0.0	100.3	100.0	86.6	88.6	88.6	9.88	88.6	88.6	
oate eriv		Cat.	õ	Μà	10	10	10	ω	8	œ	80	œ	œ	
~ ~				- C .							_	_	_	

PRATURE: OTHER INFORMATION: Description of Artificial Sequence; No. US20030157712Ale OTHER INFORMATION: synthetic construct

100.0%; Score 35; DB 12; Length 6; 100.0%; Pred. No. 5e+05;

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Gaps

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Indels

0

Mismatches

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Conservative

1 GRGDTP 6

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Query Match Best Local Similarity Matches 6; Conserv

08-10-420-029-1

Sequence 31, Appl	Sequence 32, Appl	35,	2	J.	83,	31,	10,	5,	54,	10,	Sequence 5, Appli	•	Sequence 2, Appli	7,	17,	23,	ď	Ξ	7	Sequence 84, Appl.	H	~	~	Sequence 23, Appl	Sequence 5, Appli	~	ř	Sequence 34, Appl	Sequence 72, Appl	
US 10-001-945-41	US-10-007-270-32	007 - 27	10-114-176-	-046	. 237	-10 - 13	-963	-916	US-09-792-630-54	US-09-966-976A-10	US-10-096-550-5	US-10-080-376-54	US-30-061-395-2	US-10-053-355A-7	US-09-765-086-17	US-09-364-597A-23	US-09-177-843-2	-10 - 3	620	US-10-237:850-84	374	-911-569-	JS-10-200-879-31	10-325	- 268 5	-69 - 61	10-200-879	US-10-007-270-34	US-09-096-749A-72	
14	7	1.4	14	in.	15	7	10	10	10	10	12	14	च ा	15	5	0:	10	12	12	15	15	11	1.5	12	gs.	11	12	14	0	
3)	ω	9	9	ç	9	9	9	9	9	9	9	9	9	\$	S.	9	S.	ç	Ġ	£	9	S	r.	5	9	Q	Q	9	S	
88.5	88.6	88.6												82.9		77.1	77.1	77.1	77.1	77.1	77.1	71.4	71.4	71.4	71.4	71.4	71.4	71.4	9.89	
31	31	31	31	31	3.1	31	29	29	29	29	29	58	29	58	27	27	27	27	27	27	27	52	25	25	25	25	25	25	24	
9:	£-	18	31	20	21	7.3	23	24	00 00	26	27	28	5.6	36	31	32	33	34	25	36	5.7	ထ (*)	ds en	 	.,	4.2	43	† †	2. 10	

APPLICANT: Stein, Elke
IJTE OF INVENTION: Methods for Determining Cell Responses
IJTE OF INVENTION: Methods for Determining Cell Responses
IJTE OF INVENTION: Through Epith Receptors
FILE REFERENCE: 22000 608525
CURRENT APPLICATION NUMBER: US/19/426,029
CURRENT APPLICATION NUMBER: US/19/485,653
PRIOR APPLICATION NUMBER: 05/485,653
PRIOR FILING DATE: 2000-02-14
PRIOR FILING DATE: 1999-08-19
PRIOR PLING DATE: 1997-08-19
PRIOR PLING DATE: 1997-08-19
PRIOR FILING DATE: 1997-08-19
NUMBER: OF EQ. ID NOSE: 3
NUMBER: OF EQ. ID NOSE: 3
NUMBER: DATE: SOFIWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 1 LENGTH: 6 : Sequence 1, Application US/10425029 : Publication No. US20030157712A1 : GENERAL INFORMATION: TYPE: PRT ORGANISM: Artificial Sequence AFFLICANT: Daniel, Thomas O. RESULT 1 US-10-420-029-1

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TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.
Best Local Similarity 100.
Matches 6: Conservative
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Best Local Similarity
1. Conserve
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OTHER INFORMATION:
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| GRGDIP 6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-837-969A-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-837-969A-28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 5
                                Sequence 33, Application US/16037276
Publication No. US200201609544:
GENERAL INFORMATION:
APPLICANT: Hademan. Grecory S.
APPLICANT: Horin. Markus H.
APPLICANT: Morin. Markus H.
APPLICANT: Morin. Markus H.
APPLICANT: Morin. Markus H.
TILE REPERENCE: 020618-00312005
CURRENT APPLICATION WOMER: US/16/037,270
CURRENT APPLICATION WOMER: US 09/430.195
PRIOR FILING DATE: 1999-16-29
PRIOR FILING DATE: 1999-16-29
PRIOR FILING DATE: 1999-16-29
NUMBER OF SEQ ID NOS: 37
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 33
LENGTH: 6
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GARY P. KIRSCHENHEUTER
FILLE OF INVENTION: SYSTEMATIC EVOLUTION OF LIGANDS BY
EXPONENTIAL ENRICHMENT: BLENDED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           inch, 1.44 MS storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 35; DH 14; Longth 6; 100.0%; Pred, No. Sc-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               e: Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OTHER INFORMATION: Description of Artificial Sequence: OTHER INFORMATION: RGD-containing peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: Swanson & Bratschur, L.L.C.
STREET: 1745 Shea Center Drive, Suite 315
GTY: Highlands Ranch
STATE: Colorado
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READSLE FORM:
MEDIUM TYPE: DISKETLE, 3.50 inch, 1.
COMPUTER: IBM pc comparible
OPERATING SYSTEM: MS-DOS
SOFTWARE: WordPetrect 8.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/263.456
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US/09/606,477
FILING DATE: 29-Jun-2000
APPLICATION NUMBER: 06/956,509
APPLICATION COTOBER 33, 1957
APPLICATION WIMBER: 08/234,997
FILING DATE: APRIL 26, 1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT GREG BIBSECKER
SCHEDHA D. JAYASENA
GENERAL GOLD
GENERAL GOLD
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CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 1, Application US/10263456
Publication No. US20030077646A1
                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best_Local Similarity 106.
Matches 6; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ZIP: 80129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 GRGDIP 6
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1 GRGDIP 6
                     US-10-007-270-33
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
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RESULT 2
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FAREMAL INFORMATION:
APPLICANT: UTTY, Dan
TITLE OF INVENTION:
TITLE OF INVENTION:
FILE REFERENCE: BERL-020/03US
CURRENT APPLICATION NUMBER: US/09/837,969A
CURRENT PELING DATE: 2001-06-19
FRIOR PILLO DATE: 1999-02-26
FRIOR PILLO DATE: 1999-02-26
FRIOR FILLING DATE: 1999-05-26
FRIOR FILLING DATE: 1999-05-27
FRI
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               REFERENCE/DOCKET NUMBER: NEX15/C-CONTENCECOMMUNICATION INFORMATION:
                                                                                                                               FILING DATE: JUNE 11, 1990
APPLICATION NUMBER: 06/11/7 691
FILING DATE: SEPTEMBER 8, 1963
APPLICATION NUMBER: 08/123,535
FILING DATE: SEPTEMBER 17, 1993
APPLICATION NUMBER: 08/199,507
FILING DATE: FERRIBARY 22, 1594
ATIONNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Mismatches
APPLICATION NUMBER: 07/714,131
FILING DATE: JUNE 10, 1991
APPLICATION NUMBER: 07/536,428
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE DESCRIPTION: SEQ ID NO: 1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: Barry J. Swanson
RESISTRATION NUMBER: 33,215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEPHONE: (303) 753-3533
TELEFAX: (303) 793-3453
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 28, Application US/09837969A Patent No. US20026038150A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LENGTH: 6 amino acids
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STRANDEDNESS: single
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CRGANISM: Artificial Sequence
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83.38;
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Gaps ..

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GENERAL INFORMATION:
APPLICANT RUSSELL at al.
APPLICANT RUSSELL at al.
APPLICANT RUSSELL at al.
APPLICANT RUSSELL at al.
THILE OF INVENTION: MICROFABRICATION OF MEMBRANES FOR THE GROWTH OF CELLS
FILE REFRENCE: 27611/37761
CURRENT APPLICATION NUMBER: US/09/461.834
CURRENT FILING DATE: 2001-09-24
PRIOR FILING DATE: 2000-09-25
NUMBER OF SEQ ID NOS: 6
SOFTWARE: PATENTIN OF SECULORS: 05
SOFTWARE: PATENT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
APPLICANT: Ruoslahti, Erkki
APPLICANT: Roslahti, Erkki
APPLICANT: Kolvunen, Erkki
FITTANT: KOLVUNEN, No. US2020103130Ale: Integrin-Binding Peptides
NUMBER OF SEQUENCES: 46
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 31; DB 10; Length 6; Pred. No. 5e+05;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSER: Campbell & Flores LLP
STREET: 4370 La Jolia Village Drive, Suite 700
CLTY: San Diego
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 31; DB 9;
Pred. No. 5e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mismalches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REGISTRATION NUMBER: $1,815
REFERENCE/DOCKET NUMBER: P-LA 3419
IELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Fibronectin ligand receptor US-09-961-834-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-55-364-597A-21
Sequence 21, Application US/09364597A
Fatent No. US26020153130A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CCMPUTER: IBM PC compatible OPERALING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: (858) 535-9001
TELEFAX: (858) 535-8949
INCHMAITON FOR SEQ ID 0. 21:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             88.6%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGIH: 6 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
US20020081726A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 GRGDIP 6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQ ID NO 1
LENGIH: 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    IYPE: PRT
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                                                                                                                                                 TILE OF INVENTION: 10-cctable Implants for Tissue Augmentation and Resignation of TILE OF INVENTION: 10-cctable Implants for Tissue Augmentation and Resignation of TILE OF INVENTION: 10-cctable Implants for Tissue Augmentation and Resignation of TILE OF INVENTION OF SERVICE SERVICES (CURRENT APPLICATION NUMBER: US 09/258,723 PRIOR PILLING DATE: 1999-02-26 PRIOR PILLING DATE: 1999-02-26 PRIOR PILLING DATE: 1999-05-26 PRIOR PILLING DATE: 1999-02-27 PRIOR PILLING DATE: 1999-02-27 PRIOR PILLING DATE: 1999-02-27 NUMBER OF SEQ ID NOS: 65 SOFTWARE: Patentin version 3.0 SEQ ID NO 46 SECONDARY (CORRESSION AND APPLICATION NUMBER OF SEQ ID NOS: 65 SEQ ID NO 46 SECONDARY (CORRESSION AND APPLICATION OF SEQ ID NO 46 SECONDARY (CORRESSION AND APPLICATION OF APPLICATION 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ö
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APPLICANT: Bioclastics Research, Ltd.
APPLICANT: Urry, Dan
TITLE OF INVENTION: Hicelastomer Natiomachines and Biosensors
FILE REFERENCE: BERI-030/C1US
CURRENT APPLICATION NUMBER: US/03/888,260
CURRENT FILLNG DATE: 2001-06-21
PRIOR APPLICATION NUMBER: 60/213,364
PRIOR FILING DATE: 2000-06-23
NUMBER OF SEQ. ID NOS: 63
SOFTWARE: Patentin version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0: Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 31; DB 9;
Prod. No. 5e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1; Mismatches
                      Sequence 46, Application US/29837959A Patent No. US20023548153A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 15, Application US/09388260 Patent No. US26020068304A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; Sequence 1, Application US/09951834
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LOCATION: (1)..(6)
OTHER INFORMATION: Synthetic
US-09-837-969A-46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; LOCATION: (1)..(6)
; OTHER INFORMATION: Synthetic
US-09-888-260-15
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Best Local Similarity 83.33
Matches 5; Conservative
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1 GRGDSP 6
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RESULT 6 US-09-888-260-15

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FEATURE:

SEQ ID NO 15 TYPE: PRT

LENGIE

RESULT 7 US-09-961-834-1

Query Match

Matches

ò a PRIOR APPLICATION NUMBER: US 69/258,723
PRIOR FILING DATE: 1999-62-26
FRICH FILING DATE: 1998-62-26
PRIOR FILING DATE: 1998-05-29
PRIOR APPLICATION NUMBER: US 60/375297
FRICH FILING DATE: 1998-02-27
NUMBER OF SEQ ID NOS: 65
SOFTWARE: Patentin version 3.0

TYPE: PRT ORGANISM: Artificial Sequence

: DOCATION: (1)..(6) : CTHER INFORMATION: Synthetic '8-69-841-321A-26

NAME/KEY: PEPTIDE

FEATURE LENGTH

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                                                                                                                                                                                                                                 APPLICANT: THE TRUSTERS OF COLUMBIA UNIVERSITY IN THE APPLICANT: THE TRUSTERS OF COLUMBIA UNIVERSITY IN THE APPLICANT: TITLE OF INVENTION: A METHOD OF PREVENIENC AND THE OF INVENTION: BACTERIAL INSPCTION OF SUCHES AND TITLE OF INVENTION: FORSTHEIT GENERAL AND PROMOTING TITLE OF INVENTION: FORT TITLE OF INVENTION: FOLD TOWNS OF LEGINGOTTES INTO TOWNS TITLE OF INVENTION: FOLD TOWNS OF LEGINGOTTES INTO TOWNS UNMER OF SUGURDERS: 2
CORRESPONDENCE: 2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ATTORNEY/AGENT INFORMATION:
NAME: White, John P
REGISTRATION NUMBER: 28,578
REGISTRATION NUMBER: 48940-A-PCT/JFW/JKM
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-279-6400
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                  3: Cooper & Dunham LLP
1185 Avenue of the Americas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US/09/177,843
FILING DATE: April 22, 1997
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE PORM.
MEDIUM TYPE: Floppy disk
CMPUTER: IBM PC compatie:e
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                        Sequence 1, Application 08/09177844 Patent No. 0826020114804A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        INFORMATION FOR SEQ ID NO: 1: SEQUENCE CHARACTERISTICS:
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Best Local Similarity 83.5%.
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Conservative
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RYPOTHETICAL: NO
ANTI-ENTICAL: NO
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                        CITY: New York
STATE: New York
                                                             1 11:1
1 GRGDSP 6
                                        1 GRGDIP 6
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US-09-177-843-1
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US-09-177-843-1
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Matches
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US-09-841-321A-46

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1; Mismatches

Score 31; DB 10; Lenath 5; Pred. No. 50435;

88.5%;

Cucry Match Rest Local Similarity 85... Sr. Conservative 1 GRGDIP 6 1 GRGDSP 6

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APPLICANT: Urry, Dan
TILE OF INVENTION: Injectable Implants For Tissue Augmentation and Restoration
FILE OF INVENTION: Injectable Implants For Tissue Augmentation and Restoration
FILE REFERENCE: BERL-020/04/98
CURRENT APPLICATION NUMBER: US/09/841,321A
CURRENT FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: US 6./08/155
PRIOR FILING DATE: 1999-02-27
PRIOR FILING DATE: 1999-02-27
PRIOR FILING DATE: 1999-02-27
NUMBER OF SEQ ID NOS: 65
SOFTWARE: Patentin Version 3.0
SEQ ID NO 46
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Pred. No. 50.05;
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Patent No. USS0202047136A1
GENERAL INFORMATION:
APPLICANT: VON WRONSKI, MATHEW A.
APPLICANT: WUNN, ADRIAN D.
APPLICANT: PILLAI, RADHAKKISHNA
Sequence 46, Application US/09841321A Patent No. US20020116069A1
                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT ORGANISM: Artificial Seguence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          88.6%;
83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LOCATION: (1)...(6)
COTHER INFORMATION: Synchetic
US-09-841-321A-46
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Rest Local Similarity 83.35,
See 5; Conservative
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                                           GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                     FEATURE:
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Patent No. US/002016059A1
Patent No. US/002016059A1
Patent No. US/002016059A1
Patent No. US/00201605A1
PAPLICANT: USTY, Dan
PILE REPERENCE: BERL-020/0403
PILE REPERENCE: BERL-020/0404
CURRENT APPLICATION UNMHER: 18/09/841,321A
CURRENT FILING DATE: 2081-04-36
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Score 31; DR 10; Length 6; Pred. No. 5e+05;

88.6%; 83.3%;

1: Mismatches

1 GRGDTP 6 1''': | 1 GRGDSP 6

ð g RESULT 10 US-09-841-321A-28

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TOPOLOGY: linear
MOLECULE TYPE: POPTIGE
SEQUENCE DESCRIPTION: SEQ 1D NO: 5:
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APPLICATION NUMBER: 09/113,921
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION NUMBER: PCI/EP02/12456
PRIOR FILING DATE: 2002-11-07
NUMBER OF SEQ ID NOS: 23
SOFTWARE: Patentin version 3.1
SEQ ID NO 9
                                                                                                 ADDRESSEE: Howson and Howson
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REGISTRATION NUMBER: 31,215
REBERBRONG-ZPOCKEI NUMBER: GGR
TELECOMFUNICATION INFORMATION:
TELEPHONE: 215-540-9200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STRANDEDNESS: <Unknown:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FIEING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: 215-540-5818 INFORMATION FOR SEQ ID NO: 5:
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                                                                                                                                                                                                                              COMPUTER READABLE FORM:
                                                  NUMBER OF SEQUENCES: 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Overy Match
Best Local Similarity Books
Whos 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: amino acid
                                                                                                                                                                                  COUNTRY: USA
ZIP: 19477
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ORGANISM: Homo saplens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Bak,
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| GRGDSP 6
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Sequence 31, Application US/68972772

Sequence 31, Application US/68972772

Publication No. US2020193298A1

Sequence 31, Application US/68972772

Publication No. US2020193298A1

APPLICANT: O.Sol. Gary L.

APPLICANT: Self, Christopher

APPLICANT: Cock, Ldy L.

APPLICANT: Cock, Charles M.

ITILE OF INVENTION: THERAFUGITC AGENTS AND WITHOUS OF USE THEREFOR PROPATION OF ANGLOSENESTS

TITLE OF INVENTION: WITHOUT OF ANGLOSENESTS

FURE REFERENCE: PRI-106CP

CURRENT APPLICATION NUMBER: US/C9/972,772

CURRENT PILING DATE: 2001 10-25

PRIOR FILING DATE: 2001-11-01

NUMBER OF SEQ. ID NOS: 35

SOFTWARE: Parientin Ver. 2.0

SEQ. ID NOS: 35
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                                                              APPLICANT: NANJAPPAN, PALANIAPPA
APPLICANT: NANJAPPAN, PALANIAPPA
APPLICANT: KAJU, NATARANA
APPLICANT: KAJU, NATARANA
ITTLE OF INVENTION: COMPOUNDS FOR TARGETING ENDOTHELIAL TELLS, CORRESTINGS
ITTLE OF INVENTION: CONTRINING THE SAME AND METHODS FOR THEIR TERESTENCE: 2238-7

CURRENT APPLICATION NUMBER: US/09/871,974
CURRENT APPLICATION NUMBER: US/09/871,974
PRIOR PHILING DATE: 2001-06-04
PRIOR PHILING DATE: 2000-06-02
NUMBER OF SEO ID NOS: 33
SOFTWARE: PALEGLIN VEY: 2.1

ENGTHARE: PALEGLIN VEY: 2.1
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                                                                                                                                                                                                                                                                                                                                                                                                                ) OTHER INFORMATION: Description of Artificial Sequence: Synthetic protest infoRMATION: peptide US-09-871-974-3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 88.6%; Score 31; DB LC; Length 6; 83.3%; Pred. No. Se+C5; cive 1; Mismatches 0; indeis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             88.6%; Score %; DB 10; Length 6:
83.3%; Pred; No. Set05;
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RAMALINGAM, KONDAREDDIAR
TWEEDLE, MICHAEL F.
LINDER, KAREN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 5, Application US/10262435
Publication No. US20030166832A1
GENERAL INFORMATION:
APPLICANT: Goldstein, Gideon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
CKGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
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Best Local Similarity 83.3
Matches 5, Conservative
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Bost Local Similarity
The 5: Conserva
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| GRGDSP 6
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1 GRGDSP 6
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                                              APPLICANT:
                         APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 14
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Sequence 9, Application US/1325021
Fublication No. US200302668381
GENERAL INFORMATION:
APPLICANT: LIOIF Matthias
APPLICANT: LOOF Matthias
APPLICANT: Hubbell, Jeffery Alan
APPLICANT: Jan, Ann
TILE OF INVENTION: Growth Factor Modilled Protein Matrices for Tissue
FILE REFERENCE: ETH 107 CIP(3)
CURRENT APPLICATION NUMBER: US/10/325,021
CURRENT PILING DATE: 2001-12-18
PRIOR APPLICATION NUMBER: 10/024,918
PRIOR PILING DATE: 2001-12-18
DRIOR PILING DATE: 2001-12-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ö
TITLE OF INVENTION: Methods and Compositions for Impairing Maltiplication of HIV-1
                                                                                                                                          STREET: Spring House Corporate Catr., F.D. Box 457 CIIY: Spring House
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          88.6%: Score 31; DB 12; Longth 6; 83.3%; Pred. No. 5e+55;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   indels
                                                                                                                                                                                                                                                                                                               MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentl: Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/262,435
FILING DATE: 30-Sep-2062
CLASSIFICATION: <unhammed controls.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/C9/451,067
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US-10-325-021-9
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Ouery Match

88.6%; Score 31; DS 12: Length 6;
Best Local Shillarity 83.3%; Pred. No. Se+65;
Matches 5; Conservative 1; Mismatches 0; Indels ò ad

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G: Gaps

Search completed: September 16, 2003, 18:21:52 Job time : 25 sers

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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compused Ltd.
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ising sw model protein search, OM protein September 16, 2063, 18:18:28 ; Search time 14 Seconds
(without alignments)
41.215 Million cell updatus/sec Run on:

08-09-780-612A-1 35 1 GRGDTP-6 Title: Perfect score:

вьо**s**эм62 Gapop 16.0 , Gapext 0.5 Scoring table: Sequence:

283308 segs, 96169682 residues Searched: 316 Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 6

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing First 45 summaries

Database :

PIR_76:* 1: pirl:* 2: pir2:* 3: pir3:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Description Ξ Score Match Dength DB Result No.

THE CONTRACT SAFER ELECTRICATION OF THE CONTRACT SAFER ELECTRICATI	Treell reception he	ind to the process of the	We histone - Africa	I-cdil receptor be	T-ceil receptor be	ribesoma, protein	T-cell recontor be	photosystem I 16.4	Trooll receptor be	I-rell receptor be	1 cell receptor he	1-cell receptor be	1 bell receptor be	riboscmal protein	T-ceil receptor be	I-cell receptor be		T-cell reception be	T-ceil receptor be	T-cell receptor be	T-cell receptor be	T-cell receptor be	antho-RFamide seur	autho-RF amide neu	ubiquitin - rat	spinal cord peptid	e - Ci
PT0283	PT06.38	PT0650	151434	PT0630	PTC5.4	817255	PT G7 1.1	5890Čd	PI0513	PT0538	PT0703	PT0573	PT0679	S78764	PT0629	PT0511	PT0504	PT0687	PT0652	PT0587	PT0568	PT0709	ECXAA	A25844	847552	C23751	140702
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51.4	48.6	.48.6	48.5	48.5	37.1	34.3	34.3	34.3	34.3	34.3	34.3	34.3	44.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	31.4	31.4	31.4	31.4	31.4
1 18	2 17	3 1.7	4 17	5 17	6. 1.3	7 12	8 12	9 12	10 12	11 12	12 12	13 12	14 12	15 12	16 12	17 12	1	19 12	20 12	21 12	22 12	23 12	24 11	25 11	26 11	27 11	28 11

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SS3S9S D44823 C53384	PT0525 PT0525 PT0553	PT0561 PT0695	PT0706	A60494 A46474	Pr0605 PTC619	PT0668 PT0723	A41946	A53284
0.010	1010	174.79	7	N N	4 4	0.0	17	7
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ALTGNMENTS

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Primadds, M.: Wasserman, R.; Reichard, B.A.; Shane, S.; Caton, A.J.; Rovera, G. S. Exp. Med. 173, 395-407, 199;
A.Title: Preferential utilization of specific immunoqiohilin heavy chain diversity as A.Title: Preference number: PT0222; MUID:91109337; PMID:1899i02
A.Accession: PT0280
A.Accession: PT0280
A.Residues: 1-6 cyak>
A.Resi
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ca heavy chain CRD3 region (clone 4-918) - human (fragment)
Systeties: Homo sapiens (man)
C:Date: 30 Sep-1993 *sequence_revision 30-Sep-1993 #text_change 16-Aug-1996
C:Accession: PT0280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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Llarity 50.0%; Pred; No. 2.8e+05;
Conservative 0; Mismacches
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Acst Local Similarity
Matches 3: Conserv
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1 GSGSAP 6

C. Exp. Med. 174, 115-124, 1991 Antille: Junicilional Sequences of Idial Foreplar bota chains have few N A.Reference number: PT0509; MULD:91277601; PMID:1711556 A.Accession: PT0608 PROFES PROFES Thread receptor beta chain V-D-3 region (120-20F) - mouse (frayment) CiSpecies: Mus musculus (house rouse) CiSpecies: Mus musculus (house rouse) CiSpecies: 17-3ul-1992 #sequence_revision 17-3ul-1992 #text_change 30-May-1997 CiAccossion: PT0608 A)Status: translation not shown A:Rolecule type: mRNA A:Residues: 1-5 eFED. Experimental source: newborn thymus, strain BALBA: C:Keywords: 7-cell receptor

regions

Gaps : ت Ouery Match 48.6%; Score 17; DB 2; Length 5: Best Local Similarity 100.0%; Pred. No. 2.8e+05; Matches 3; Conservative 0; Mismatches 0; Lidels

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3 GRG 5 1 GRG 3 ac ô

RESULT 3

20K protein - Rick

2 B31836

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31.4

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R; Feeney, A.J.

RESULT 4

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J. Exp. Med. 174, 115-124, 1991
A.Title: Junctional sequences of fetal T cell receptor beta chains have few N regions A.Fitle: Junctional sequences of fetal T cell receptor beta chains have few N regions A.Recession: PP0607
A.Status: translation not shown
A.Rocession: PP0607
A.Rocession: PP0607
A.Recession: PP0607
A.Recession: PP0607
A.Recession: PF0704
A.Recession: PF077
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Cloades 2: Apr. 1993 #sequence_revision 14.Sep-1994 #text_change 03.Kay-1997

Cloadession: S17255

Bigrobmann, L.; Graack, H.R.; Kruft, V.; Choli, T.; Coldschmidt-Reisin, S.; Kitakawa,

FEBS Lett. 284, 51-56, 1991

Alfille: Extended N-terminal sequencing of proteins of the large tibosomal subunit fr

A:Reterence number: S17255; MUD:91265106; PMID:2050626
                                                                                                                                                                                                                                                                                                                                                                                                                      J. Exp. Med. 174, 115-124, 1991
Addition underload sequences of fetal T cell receptor beta chains have few N regions A.Reference camber: PT0509, MUID:9127801; PMID:1711538
A.Reference camber: PT0509, MUID:91277601; PMID:1711538
A.Reference camber: PT0514
A.Reference camber: PT0514
A.Reference camber: PR05046
A.Reference camber: PR050466
A.Reference camber: PR0504666
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A.Reference camber: PR05046666
A.Reference ca
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A;Residues: 1-4 <GRO>
C;Comment: A coding region for this protein could not be identified in the genome of
                                                                                                                                                                                    T-cell receptor beta chain V-D-3 region (188-4AK) - mouse (fragment)
C;Species: Mus musculus (house mouse)
C;Date: 17-Jul-1992 #sequence_revision 17-Jul-1992 #text_change 30-May-1997
C;Accession: PT0514
E:Feeney, A.J.
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C.Stecies: Mus musculus (house mouse)
C.Stec: In Jul.1992 #sequence_revision 17-Jul-1992 #text_change 30-May-1997
C.Accession: Pi0607: PT0674; PT0678; PT0570; PI0711; PT0710
R.Feeney, A.J.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Lengih 6;
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C.Keywords: mitochondrion: protein biosynthesis; ribosome
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 13, DB 2; 1
Pred, No. 2.8e+05;
1; Mismatches 0.
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CySpecies: Saccharomyces cerevistae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Alexperimental source: adult thymus, strain BALB/c
C:Keywords: I-cell receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Cuery Match
Best Local Similarity 66.7%:
Matches 2: Conservative
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3 TP 4
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    Exp. Med. 174, 115-124, 1991
    A.Title: Junctional Sequences of fetal T coil receptor beta chains have few N requence.
    A.Reference number: PT0509; MCID:91277601; PMID:1711558

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H4 histone - African clawed from (Iranment)
C;Boccess Xcoopus lacevis (African Clawed From)
C;Boccession: 151434
C;Aoccession: 151434
Nwoodland, H.R.: Warmington, C;R.: Ballantise, C;E.M.: Turner, F.C.
Armington, H.R.: Warmington, G;R.: Ballantise, C;E.M.: Turner, F.C.
A.Title: Are there malor developmentally regulated 84 done classes in Xecopus?-
A.Accession: 151391; MUD:84247348; PMID:63569;
A.Scension: 151434
A.Status: profilminary, translated from GB/EMBL/FDBJ
A.Residues; 1-6 <WOO>
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                                                                            C:Species: Mus muscalus (Aouse mouse)
C:Date: 17-Jul-1992 #sequence_revision i7-Jul-1992 #text_change 30-May-1997
C:Accession: PT6690
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        C:Species: Mus musculus (house mouse)
C:Date: 17-Jul-1992 #sequence_revision 17-Jul-1992 #text_change 36 May [997
C:Accession: PT0630
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
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                                    T-cell receptor beta chain V-D-3 region (140-1BD) - mouse (fragment)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 :،
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PT0630
T-cell receptor beta chain V-D-3 region (111-10) - mouse (fragment)
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48.6%: Score 17; DB 2; Length 5;
Best Local Similarity 100.0%: Prod. No. 2.8e-05;
Matches 3; Conservative 0; Mismatches 0; Indels
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C:Reywords: T-cell receptor
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A.Fille: Junctional Sequences of tetal T cell receptor based accession: Pr0509; MUID:91277651; PMID:1711559
A.Accession: Pr0630
A.Accession: R0630
A.Actession: Lans.ation not shown
A.Molecule type: mRNA
A.Residues: 1-6 < PEB.
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C:Kcywords: T-cell receptor
                                                                                                                                                                                                                                                                                                                                                                                                                          A;Status: translation not shown
A;Molecule type: DNA
A;Residues: 1-5 <FEE>
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3 GRG 5
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R; Feeney, A.J.

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Treell receptor beta chain V-D-J region (126-1F) - mouse (fragment)
C;Species: Mus musculus (house mouse)
C;Species: Mus musculus (house mouse)
C;Saces: if-Jul-1992 #sequence_revision 17-Jul-1992 #text_cha:.qe 30-May-1997
C;Accession: PT0538; PT0539; PT0603
R;Feeney, A.J.
J; Exp. Med. 174, 115-124, 1991
A;Title: Junctional sequences of feta; T cell receptor beta chains have few N regions A;Title: Junctional sequences of feta; T cell receptor beta chains have few N regions A;Title: Junctional sequences of feta; T cell receptor beta chains have few N regions A;Reference number: PT0509; MUID:91277601; PXII:1711558
A;Reference number: PT0509; MUID:91277601; PXII:1711558
A;Reference number: PT0509
A;Reference number: PT0509; MUID:91277601; PXII:1711558
A;Reference number: PT0509; MUID:91277601; PXII:1711568
A;Reference number: PT0509; MUID:9127601; PXII:1711568
A;Reference number: PT0509; MUID:9127601; PXII:1711568
A;Reference number: PT0509; PXII:1711568
A;Reference number: PXII:1711568
A;Reference number: PXII:1711568
A;Refer
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Cyspecies: Mus musculus (house mouse)
Cybate. 17-Jul-1992 #sequence_revision 1/-Jul-1992 #rext_charge 30-May-1997
Cybate. 17-Jul-1992 #sequence_revision 1/-Jul-1992 #rext_charge 30-May-1997
Cybatession: PT0703
Arritle: Junctional sequences of fetal T cell receptor beta chains have few N regions Arritle: Junctional sequences of fetal T cell receptor beta chains have few N regions Arritle: Junctional PT0703
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A:Accession: P16539
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C:Reywords: T-cell receptor
A/Experimental source: memborn thymus, strain BALB/G, close 120-18
C:Roywords: T-cell receptor
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                                                                                                                 34,3%; Score 12; DB 2; 34
100.0%; Pred, No. 2,8e+05;
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A:Molecule type: mRNA
A;Rosidues: 1-5 <FE3>
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Matches 2; Conservative
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3 GD 4
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C;Species: Nicotiana tabacum (common tobacco)
C;Species: 19 May-1994 *sequence_revision 19-May-1994 *text_change 17-Mar-1999
C;Accession: P00689
R;Obokata, J.; Mikami, K.; Hayashida, N.; Nakamura, M.; Sigiura, M.
Plant Physioi. 102, 1259-1267, 1993
A;Title: Molecular heterogeneity of photosystem I. psaC. psaE. psaF. psaH and psac, are 3 A;Reference number: P06667; MUD:94.05345; PMID:8278548
A;Reference number: P06689
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J. Exp. Med. 174, 115-124, 1991
A.Reference number: PT0509: MUID:91277601: PMID:1712558
A.Accession: PT0513
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C: Reywords: T-cell receptor
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C.Date: 17-Jul-1992 #sequence_revision 17-Jul-1992 #text_change 30-May-1997
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A.Residues: 1-5 <080>
C.Keywords: chloroplast; photosynthesus; protosystem L. thylakald
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A;Accession: PT0606
                                                                                                         A:Experimental source: day 18 fetal thymus, strain BALB/c, 146-16
AACCESSION: P70678
A/Status: translation not, shown
A/HOlecule type: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A;Experimental source: day 19 fetal thymus, strain BADBZE: 141-11
A;Accession: PT0711
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A;Accession: PT0576
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. 2.8e+05;
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A;Molecule type: mRNA
A;Residues: 1-5 <FE2>
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Best Local Similarity 100.0
Matches 2; Conservative
    A;Status: translation not shown
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A; Residues: 1-4 <FE5>
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                                    A; Molecule type: DNA A; Residues: 1-4 <FE2>
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J. Exp. Med. 174, 115-124, 1993
J. Exp. Med. 174, 115-124, 1993
A.Title: Junctional Sequences of fetal Tipeli receptor beta chains have new Nincipals.
A.Reference number: PT0509; MCID:91277601; PMID:1711558
A.Reference number: PT0509; A.Reference number: PT0509; A.Reference number: PT0509; MCID:91277601; PMID:171558
                                                                                                                                                             J. Exp. Med. 174, 115-124, 1991
Affitle: Junctional sequences of fetal T cell receptor beta chains have few N regions.
A;Reference number: P70509; NUID:91277560; PMID:1711858
A;Accession: P70573
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A;Residues: 1-6 kGRA>
C;Keywords: mitochendrion
F;1-6/Product: ribosomal protein NEP-S23 (Iragnent) #status experimentil - MAT
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Cyspecies: Bos primiqentus taurus (cattle)
Cyspecies: Bos primiqentus taurus (cattle)
Cyspecies: S28764
R;Graack, H.R.
Submitted to the Protein Sequence Database, July 1999
A;Reference number: $78765
A;Reference number: $78765
                                 T-cell receptor beta chain V-D-J region (141-1CC) - mouse (fradment)
C/Species: Mus muscuiss (fouse mouse)
C/Date: 17-Jul-1992 #sequence_revision 17-Jul-1992 #text_change 30-May-1997
C/Accession: PT0573
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C;Species: Mus musculus (bouse mouse)
C;Date: 17-Jul-1992 #sequeece_revision 17-Jul-1992 #text_change 60 May 1997
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A:Accession: PT0708
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C;Keywords: T-cell roceptor
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C:Reywords: T-cell receptor
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34,3%; Score [2, FR 2, E,
Best Local Similarity 100.0%; Pred. No 2.8e-05:
Matches 2; Conservative 0: Mismatches 2;
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A;Molecule type: mRNA
A;Residues: 1-5 <FEE>
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A;Molecule type: DNA
A;Residues: 1-5 <FEE>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A:Status: translation not shown
A:Molecule type: DNA
A:Residues: 1-5 <FE2>
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S78764
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PT0679
RESULT 13
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6
                                 Gaps
Score 12: UB 2: Length 6:
Pred. No. 2.8e+05:
C: Mismatches 1: Indels
 34.38;
56.78;
 94.39 Guery Match best Local Similarity 56.79 Matches 2; Conservative
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completed: September 16, 2003, 18:20:58 o : 14 secs

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PSEGGE octopens min
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                                                                                                                                                                    September 16, 2003, 18:17:43; Search time il Seconds (without alignments) 25:651 Million cell updates/sec
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Gention of State Copyright (c) 1993 - 2003 Compagen Ltd.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       127863 segs, 47026705 residues
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EOSI_HUMAN
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Maximum Match 160%
Listing first 45 summaries
                                                                                                                  protein search, using sw model
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Gapop 10.0 / Gapext 0.5
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35
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Match Length
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PETAL CLOSECTION PATES BIRDO MEDI PATES MIRUDO MEDI PATES MIRUDO MEDI PATES MIRUDO MEDI PATES O ARTHOPICUS PETALO MICHARIA PATES MILOS PATES ARTHOPICUS PATES ARTHOPICUS PATES ARTHOPICUS PATES ARTHOPICUS CARO PATES ARTHOPICA CUD PATES ARTHOPICA CARO PATES ARTHOPICA P				opeda; Coleoldea; Neocoleoldea; Gotopodidae; Octopus.	AND GRABACTERIZATION.	of a Japanese octopus, circhottopic and	1609 time less	(1997)					body (Fragment).	ede: Chlamydia.	Samchez-Campillo M., Vtretou B., Ratti G.,
6 1 UNOG_CLOCA 4 1 PARA_BIRME 4 1 PARA_BIRME 4 1 FLMP_HIRME 4 1 FLMN_ANDEL 4 1 FMRE_MACNI 5 1 FOAL_ANTEL 5 1 PARE_ARTTR 5 1 PSK_DAUCA 5 1 PSK_DAUCA 6 1 ACPH_REST: 6 1 ACPH_REST: 6 1 ACPH_REST:	ALTONMENTS	STANDARD; 4 AA.	28-FEB-2003 (Rel. 41, Created) 28-FEB-2003 (Rel. 41, Last sequence update) 28-FEB-2003 (Rel. 41, Last annotation update) Cardioactive peptides Ocp-1/Ocp-2.	pus). Mollusca: Cephalopoda: Col. Opoda: Incirrata: Cotopodid	SYNTHESIS, MASS SPECTROMETRY, AND UR. 10. 336615; Pubmed-10876344;	<pre>Iwakosh E., Hisada M., Kinakata H.) "Cardicactive peptides isolated from the brain of a Japanese or Octopus minor."; Peptides 21:628-630(2000)! FUNCTION: Cardicactive, has both positive chronologic and</pre>	opic effects on the heart. Ucp-2 is a sethan Ocp-1. SELUAR LOCATION: Secreted. OCp-2 has L-Phe instead of D-Phe. SPECTROMETRY: MW-495.2; NETHOD-MALDI.	NIG. 2 D-PHENYLALANINE. 894 MW: 6AA8790810000000 CR354	42.9%: Score 15: DR 1: 75.0%: Bred. No. 1.3e+05 zative 0: Mismatches			SIANDARD: 5 AA.	pdate) update) mentary	hlamydia	chi B., and S.,
48 8 8 8 8 8 4 4 4 4 4 4 4 4 4 4 4 4 4		LOCIMI OCPILOCIMI STAN P58648;	28-FEB-2003 (Rel. 4 28-FEB-2003 (Rel. 4 28-FEB-2003 (Rel. 4 Cardioactive peptid	octopus minor (octopus). Eukaryota, Metazoa; Mollu Cctopodiformes; Octopoda; VEL_TaxID=89766;	SEQUENCE, SYNTHESIS SEQUENCE, SYNTHESIS NEDLINE-20336815; P	<pre>Iwakosn1 E., Hisada</pre>	inotropic effection of setting strict than Ocp -! SUBCELLULAR LOC -! PTM: Ocp -2 has -! MASS SPECTROMET	Hormone: Dramino ac MOD_RES 2 SEQUENCE 4 AA; 3	ry Match t Local Similarity ches 3, Conserv	1 GRGD 4	1		01-001-1994 (Rei. 01-001-1994 (Rei. 30-MAY-2000 (Rei. Unknown protein f	Chlamydia trachomat Bactería; Chlamydia NCBL_TaxID≈613;	LU SEQUENCE. STRAIN-L2/434/Bu; Sini J., Santucci A., Magi B., Marzoc Comanducci M., Christianen G., Birkell Pallini V.;
		RESULT OCP1_O 1D O	88388	88883	K W E W I	R R T T C	88888	8 E 8	Quie Bes Mat	8 8		KEND UXA4_C TO U	DE DA	8000 E	X K K K K K K K K K K K K K K K K K K K

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FUNCTION: ACTIVATES THE EXPRESSION OF THE TRPBA GENES ENCODING
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P38639;
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ACH1_ACHFU
ID ACH1_ACHFU
AC P35904;
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UF31_MOUSE
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Grohmann L., Graack B.-R., Kruft V., Choll T., Goldschmidt-Reisin S.,
Kitakawa M.,
                                                                                                        Caps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
Submitted (SEP-1994) to the SWISS-PROT data bank.
-!- MISCELLANEOUS: ON THE 2D-GEL THE DETERMINED PI OF THIS UNKNOWN PROTEIN IS: 4.5, ITS MW IS: 28 KDa.
Siena-2DPAGE: P38005;
NON_TER
                                                                                                                                                                                                                                                                                                                                                                                   "Extended N-terminal sequencing of proteins of the large ribusoral subulit from years mitochendria."; FEBS Lett. 284:51-56(1991). PIR: 517255, 817255.
                                                                                                                                                                                                                                                                                               Sammhatomymetes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Bacteria, Proteobacteria, Gammaproteobacteria, Pseudomodadales,
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O
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**IDNA sequence of the tryptophan synthase genes of Pseudomonas
                                                                                                                                                                                                                           01-30N-1994 (Rel. 29, Greated)
01-30N-1994 (Rel. 29, Last sequence update)
01-30N-1994 (Rel. 29, Last adnotation update)
Mitochondrial 62s ribosomal protein Ll (Mall) (Fragmen').
                                                                               37.1%; Score 13; Ds :: Longth 5; 66.2%; Pred. No. 1.3e-05; tive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0: Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   34.3%: Score 12: DB 1: Length 4: 100.0%; Pred, No. 1.3c+05; tive 0: Mismatches 0: Indels
                                                                                                                                                                                                                                                                                   Saccharomyces cerevisiae (Saker's yeast).
Eukaryota: Fungi; Ascomycota: Saccharomycotina; Saccharomycetales; Saccharomycetaceae; Saccharomyces
                                                                                                                                                                                                                                                                                                                                                                                                                                                    NON_TER 4 4 AA; 402 MW; 77718205000000 CRC64;
                                                NON_TER 5 5 SEQUENCE 5 AA; 474 MW; 75BAA865AA800000 GRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TrpBA operon transcriptional activator (Fragment)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 01-JUN-1994 (Rel. 29, Created)
01-JUN-1994 (Rel. 29, Last Sequence update)
01-FEB-1995 (Rel. 31, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              6 AA.
                                                                                                                                                                                                         4 AA
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                                                                                                                                                                                                      P.R.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STRAIN-PPG1 C1S;
MEDLINE-89335826; PubMed+2503057;
                                                                                                                                                                                                                                                                                                                                                                                                                                          Ribosomal protein: Mitochondrion
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       putida.*;
Biochimie 71:521-531(1989)
                                                                              Ouery Match
Best Local Similarity 66.77
Matches 2: Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity 100.
Matches 2; Conservative
                                                                                                                                                                                                         STANDARD:
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                                                                                                                                                                                                                                                                                                                   NCBI_TaxID-4932;
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P36515;
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P36414;
                                                                                                                                                                                                                                                                                                                                          SEQUENCE
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This SWISS-PROT entry is copyright. It is produced through a collaboration observed the SWISS Institute of bioinformatics and the PMBL custation. The European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch.
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THE TWO TRYPTOPHAN SYNTHASE SUBCNIIS. IN THE ARSENCE OF THE INDUCHER (INDOLDSLYCEROL PROSPINED), THEY IS INDS UPSTREAM OF THE TRABE OPERON, OVERLAPPING ITS OWN PROMOTER REGION. SIMILARITY: BELONGS TO THE LYSE FAMILY OF TRANSCRIPTIONAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Morrick B.A., Patterson R.M., Wichter L.L., He C., Selkirk J.K.;
"Separation and sequencing of familiar and novel mutine proteins using preparative two-dimensional gel electrophoresis.";
Electrophoresis 15:735-745(1994).
"INSELLANDOUS: ON THE 2D-GEL THE DETERMINED PI OF THIS UNKNOWN PROTEIN IS: 6.6, ITS MW IS: 19 kba.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Eukaryota, Metazoa: Chordata: Craniata: Vertebrata: Eutaleosicmi;
Mammalia; Eutheria: Rodentia: Sciurognathi: Muridae; Musicae: Mus
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PROSTE: PS00044; HTH_LYSR_FAMILY; FARTIAL.
Tryptophan biosynthesis; Transcription regulation; Antivator:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       01-0CT-1994 (Rel. 30, Created)
01-0CT-1994 (Rel. 30, Last sequence update)
11-FBE-1995 (Rel. 31, Last annotation update)
Unknown protein from 2D-page of fibrobiasts (P19) (Fraument).
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SECUENCE 6 AA; 683 MW; 77672AAIRDEGFOOD ORDA1;
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56.7%; Pred. No. 1.40.05;
ative 0: Mismatches 1:
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01-JUN-1994 (Rel. 29, Last sequence update)
15-JUL-1998 (Rel. 36, Last annotation update)
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                                                                                                                                                                                                                                                                                                                                                                                                                                    EMBL: X13299; CAA31660.1;
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Best Local Similarity 190.
Matches 2: Conservative
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Best Local Similarity
Pose 2, Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE.
TISSUE=Fibroblast;
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us-09-780-612a-1.lim.rsp

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01-JAN-1990
01-JAN-1990
15-DEC-1998
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ID TRM3_ECOLI
AC P13973;
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P13736;
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CIPL_MYTED
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C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDLINE-20336815; PubMed-10876044;
Iwakoshi E., Hisada M., Minakata H.;
"Cardioactive peplides isolated from the brain of a Japanese octopus.
                                                                                                                                                                                                                                                                                                                                                                       STRAIN-Ferussac: TISSUE-Heart arrium;
MEDLINE-91264856; PubMed-1675666;
Fujimoto K., Kubota I., Yasada-Kamatari Y., Minakata H., Namoto K.,
Yoshida M., Harada A., Muncoka Y., Kobayashi M.;
Furification of achatin-1 from the arria of the African giant snoil,
Achatina fulica, and its possible function.";
Biochem. Biophys. Res. Commun. 177:847-855(1991).
                                                                                                                                               STRAIN-Ferussac; Fissur-Ganqilon; Kamatani Y., Minakala H., Kohney P.T.M., Iwashita T., Watanahe K., Kamatani Y., Minakala H., Kohney P.T.M., Iwashita T., Watanahe K., Nemase K., San N.P., Yoogairi A., Kim K.H., Nowales E.T., Kanapi C.G., Takeuchi H., Nomoto K.; Anchatin-I. an endogenous neuroexcitatory tetrapeptide from Achatinia Fulloa Ferussac concaining a D-amino acid residue. [Biochem. Biophys. Res. Commun. 160:1015-1010(1999).
                                          Pubmonata: Stylommatophing:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Octopus minor (Octopus).
Eukaryota, Metazoa; Mollusca; Ceppalopoda; Colecidea; Neocoteoidea;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDLINE=93014529; PubMed-1399265;
IShida T., In Y., Doi M., Inoue M., Yasuda-Kamatani Y., Minakata
Iwashita T., Nomoto K.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0:
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Peptides 21:623-630(2000).
-!- FUNCTION: Cardioactive; has both positive chronotropic and inotropic effects on the heart. Ocp-4 is a 1000 time less
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE, SYNTHESIS, MASS SPECTROMETRY, AND CHARACTERIZATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Octopodiformes; Octopoda; Incirrata; Octopodidae: Octopus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      25.7%; Score 9; DB 3; Length 4; 50.0%; Pred, No. 1.3c+05; Libert 1; Ve. 0; Nismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2 2 D-FHENYLALANINE.
4 AA: 408 MW: 6AADD9C91C000000 CRC64;
           Acharina fulica (Giant Allican shail).
Bukaryota: Metazoa, Mollussa, dastropoda, Pulmon:
Sigmurethia, Achatinoidea: Achatinidan: Achatina
NCBI_Tax15-65*0;
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Last asnotation update;
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                                                                                                            [1]
SEQUENCE, CHARACTERIZATION, AND SYNTHESIS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         28-FEB-2003 (RGL. 41, Greated)
28-FEB-2003 (Rel. 41, Last sequenc
28-FEB-2003 (Rel. 41, Last annotat
Cardioactive peptides Ocp.3/Ocp.4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
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Matches 2; Conserv
                                                                                                                                                                                                                                                                                                                                                         CHARACTERIZATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 GROD 4
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P58649;
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Achatin-I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
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1. Bacteriol. 170:2749-2757(1988).

1. FUNCTION: TRANSFER GENE PROTEEN. IS INVOLVED IN THE CONJUGATION PROCESS OF BACTERIAL CELLS FOR THE EXCHANGE OF PLASMID DNA.

1. SUMCEDIULAR LOCATION: CYCOPIARMIC.

1. SIMILARITY: BELONGS TO THE TRAM FAMILY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Plasmid IncFil R100.
Bacteria; Proteobacteria; Gaumaproteobacteria; Enterobacteria;es;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0:
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1.3e+55;
Tehes 2: Indels
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                                                                                                                                                                                                                                  D-SERINE (1N 00P-4)
6AB365B810000000 0R064;
(Rel. 13, Created)
(Rel. 13, Last sequence update)
(Rel. 37, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   C1-JaN-1990 (Rel. 13, Created)
C1-JaN-1990 (Rel. 13, Last sequence update)
C1-JaN-1990 (Rel. 41, Last annotation update)
Iram protein (Fragment).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            5 A.A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                     Score 9;
Pred. No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Enterobacteriaceae; Escherichia.
NCBI_TaxID=562;
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33.3%;
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50.0%;
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SEQUENCE 4 AA: 463 MW;
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Rest Local Similarity
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P19916;
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    THE SHEET SH
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                                                                                                                                           TISSUE-Pedal ganglion;
MEDLINE-88246357; PubMed +3377776;
Hirata I., Kubota I., Iwasawa N., Takabatake I., Ikeda T., Muneuka Y.;
*Structures and actions of Myllus inhibitory peptides.";
Blochem, Blochys, Res. Commun. 152.1776-1382(1988).
-i. FUNCTION: INHIBITORY ACTION ON CONTRACTIONS IN SEVERAL MOLLUSCAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      the primary structure of the hypothalamic thyroid releasing factor of owine origin by means of mass
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SPECIES=Pig;
MEDLINE-70039904; PubMcd-4982117;
Boler J., Enzmann F., Folkers K., Bowers C.Y., Schally A.V.;
"The identity of chemical and hormonal properties of the thyrotropin: releasing hormone and pyroglutamyl histidyl-proline amide.";
Biochem. Biophys. Res. Commun. 37:705-710(1969).
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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Bombina oriestalis (Oriental fire-beilied toad), and
Notophthalmus viridescens (Fastern newt) (Triturus viridescens).
Bikaryota Metazca; Chordata: Craniata; Vortebrata; Enteleostoni:
Mammalia: Futheria! Cetartiodacryla; Suina; Suidac; Sus.
NCBL_TaxiD=9823, 9940, 8346, 8316;
             Mytilus edulis (Blue mussel).

Eukaryota: Netazoa: Mollusca: Bivalvia: Pteriomorphia: Mytilolda: Mytilolda: Mytilidae: Mytilidae: Mytilius.

NCBI_TaxID=6550;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       POINTS:
21-JUL-1986 (Rel. 01. Greated)
21-JUL-1986 (Rel. 01. Last sequence apaate)
28-FEB-2603 (Rel. 41. Last ansotation update)
Thyroliberin (ThyroLropin releasing Acrmone) (TRE) (Profitelin).
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                                                                                                                                                                                                                                                                                                                                                                                                         Score 8: DB 1: Length 6:
Pred. No. 1.30+05;
1: Mismatches 0: Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SYNTHESIS.
SPECIES-Sheep;
MEDLINE-70163386: PUDMed-4985794;
Burgus R., Dunn T.F., Desiderio D.M., Ward D.N., Vale W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDLINE=70136150: PubMed-4984938;
Nair R.M.G., Barrett J.F., Bowers C.Y., Schally A.V.
"Structure of porcine thyrotropin releasing hormone."
Blochemistry 9:103-1108(1970).
                                                                                                                                                                                                                                                                                                                                                   6 AA; 637 MW; 72C9C68775B81000 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A AA.
  Contraction-inhibiting peptide I (MIP I)
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SPECIES*Sheep; TISSUE*Hypothalamus:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Org. Mass Spectron. 5:221-228(1971)
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                                                                                                                                                                                                                                                                                                                                                                                                              22.9%;
                                                                                                                                                                                                                                                                                    -!- SIMILARITY: TO MIP II.
PIR, A27696; A27696.
Hormone, Amidation.
                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 22.9 Best Local Similarity 50.3 Matches 1; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              stimulating hormone
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SEQUENCE
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                                                                                                                            SEQUENCE
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acceptor.
-!- COFACTOR: Molybdenum (molybdepterin).
-!- SUBONIT: CONSISTS OF THREE POLYPEPTIDE CHAINS: LARGE, MEDIUM, AND
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"Homology and distribution of CO dehydrogemase structural genes in carboxydorrophic bacteria.";
Arch. Microbiol. 152:355-341 (1989).
-:- FUNCTION: Catalyzes the oxidation of carbon monoxide to carbon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     viridescens) brain in vitro. Isclation and characterization of thyrotropin releasing factor.";

7. Neurochem. 23:471-478(1274).

11. THE ANTERIOR PITUITARY GIAND AND AS A NUGGINANSMITTER/
NEUROMODULATOR IN THE CENTRAL AND PERIPHERAL NERVOUS SYSTEMS.

PIR: A96919, RHIDTO.

PIR: A92971.
                                                                                                                                                                                                                                                                                                                                                           SPECIES-N viridescens:

***MEDIZINE-75035605, PubMed-4214528;

Grimm-Joergensen Y. McKelvy J.F.;

"Bicsynthesis of thyrotropin releasing factor by new: (Trinurys
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               -!- CATALYTIC ACTIVITY: CO + H(2)O + acceptor = CO(2) + reduced
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Bacteria; Proteobacteria; Álphaproteobacteria; Rhizobiales;
Bradyrhizobiaceae.
NCBL_TaxID=290;
                                                                                                                                                                            MEDIJNE=76138399; PubMed-8i5011;
Yasubara T., Nakajima T.,
*Letter: Occurrence of Pyy-His-Pro-NH2 i:: the frog skin.";
chem. Pharm. Bull. 23:3301-3303(1975).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                58 1; bec.
80, 1;30*15;
0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Amidation: Pyrrolidone carboxylic acid.

MCD_RES 1 1 PYRROLIDONE CARHCXLLC ACID.

MCD_RES 3 3 AMIDATION.
Characterization of owine hypothalamic hypophysictropic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        01-FEB-1991 (Rel. 17, Created)
01-FEB-1991 (Rel. 17, Last sequence update)
28-FEB-2003 (Rel. 41, Last annotation update)
Carbon mcnoxide dehydrogenase large chain (EC) 1.2.99.2)
dehydrogenase subunit L) (CC-DH E) (Fragment).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3 AA; 380 MW; 7761F6B0000000 (18054;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4 AA; 441 MW; 7761E876F000000 CRC64;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDI.INE-90055678; PubMed-2818128;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Pseudomonas carboxydohydrogena.
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Cxidoreductase; Molybdenum.
NON_TER 4 4
                                  TSH-releasing factor.";
Nature 226:321-325(1970).
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rubella.
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01-FEB-1994 (Rel. 28, Last segmence update)
8-FFB-2003 (Rel. 41, Last annotation epidate)
Bradykinin-potentiating peptide S5,2 (5A) (Anglotensin-converting
enzyme inhibitor).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDLINE=72187087; PubMed-4112769; Nishicka K., Constantopoulos A., Satch P.S., Najjar V.A.: Nishicka K., Constantopoulos A., Satch P.S., Najjar V.A.: The characteristics, isolation and synthesis of the phagocytosis stimulating poptide tuttsin." Biochem. Biophys. Res. Commun. 47:172-179(1972).
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Bukaryota, Metazoa: Chofdata, Craniata, Vortebrata, Eutelcostomi;
Lepidosauria: Squamata: Scilerogiossa; Serpentes: Colubroidea;
Viperidae: Crotalinae: Bothrops.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Eukaryota, Metazoa: Chordata: Craniata, Vertebrata, Euteleostoni:
Mammalia: Eutheria: Primates: Catarrhini: Hominidae: Home.
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                               55 1; Length 4;
. 1.30+05;
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90; GO:0006509; Prehamoncytosis; NAS.

SEQUENCE 4 AA; 501 MW; 741763210000000 GR054;
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21-JUL-1986 (Rel. 0). Last sequence update)
16-OCT-2001 (Rel. 40. Last annotation update)
Phagocytosis-stimulating peptide (Tuftsin).
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                                                   100.08; Fred. ac.
                               20.0%; Score 7; 1
100.0%; Pred. No.
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Query Match
Best Local Similarity | 160.2
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IMMUNOGLOBULIN CLASS
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Best Local Similarity
Matches 1; Conserv
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P01858;
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BPP7_BOTIN
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                 Cintra A.C.O., Vieina C.A., 65glio J.R.;
Primary structure and biological activity of bradykloin potentiating peptides from Botherops insularis snake venom. 7.

1. Protein Chem. 9:221-27(1959).

1. FUNCTION: This peptide both inhibits the activity of the anglotensin-converting enzyme and enhances the action of bradykinin by inhibiting the kinases that it. Acts as an indirect hypotensiave accent.

P.R. G37196, G37196.

Hypotensive agent: Pyrroligone carboxylic acid. PyrRoligone carboxylic acid. ByRROXYLC ACID. BYRROXYLC ACID. BYRROXYLC ACID. APPROXIMENT SUGÜRNES 5 AA; 629 MW; 7760C17326BGGGO CKC64:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Pardaxin II (PXII) (Fragment).
Pardaxin II (PXII) (Fragment).
Pardachirus marmoratus (Red sea moses solo).
Eukaryota, Metazoa: Chordata, Craniata; Vertebrata; Enteleostomi;
Acathomorpha; Meoplerygii, Teleostomi; Bileicostomi;
Acathomorpha; Acathopterygii, Percomorpha; Pleuromoctiformes;
Soleoidei; Soleidae; Pardachirus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Litoria rubella (Desert tree frog).
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Butelenstomi,
Amphibia; Batrachia, Anura, Neobatrachia, Rufoucidea, Hylidae,
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SEQUENCE 5 AA; 630 MW; 668761F2C9A0000C CMC64;
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Pred. No 1.36+05;
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30-MAY-2000 (Rel. 39, Last sequence update)
28-FEB-2003 (Rel. 41, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  28-FEB-2003 (Rel. 41, Created)
28-FEB-2003 (Rel. 41, Last sequence update)
15-SEP-2003 (Rel. 42, Last annotation update)
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106.0%; Pru
MEDDINE-90351557; PubMed-2386615:
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Best Local Similarity luve.
The li Conservative
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Matches 1; Conserv
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SIO3_LITRU
ID EIO3_LITRU
AC P82099;
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P81864;
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RN [1]

REQUENCE.

RX INSTBE-Skin secretion;

RX Lazarovici P., Frimor N., Loew L.M.;

RY MULIINE-8705389; PubMed-1782138;

RA Lazarovici P., Frimor N., Loew L.M.;

RY POLYIPORATION and pore-forming artivity of two hydrophobic polypeptides from the secretion of the Red sea moses sole (Pardachina RT Polypeptides from the secretion of the Red sea moses sole (Pardachina RT Marmoratus).;

RY DOLYDEALOR EXHIBITION ENTRY (PROPERTY FOR SOLE (Pardachina RT Marmoratus).;

LY BIOL Chem. 261:16704-16713(1986).

C. -! FUNCTION: Exhibits unusual Shark repellent and surfacturing of numerical properties. Forms voltage-dependent, ion-perpeable channels of numerical momeranes. At high concentration causes cell membrane lysis.

C. -! SUBGNIT: Monomer. In aqueous solution exists as a tetramer.

C. -! SUBGNIT: BELONGS TO THE PARDAXIN FAMILY.

FT. NON_TER 5

SEQUENCE 5 AA: 614 MW; 776959208199000 CNC64:
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Search completed: September 16, 2003, 18:19:83 Job time: 12 secs

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OM protein - projeic seatch, using sw moule!

Run on:

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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Eurelecstomi:
Archosauria, Aves, Neognathae, Galliformos: Phasianidae, Phasianidae,
Gallus,
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Dockray G.J., Reeve J.R. Jr., Shively J., Sayton R.J., Barnard C.S.:

*A novel active pentageptide from chicken train identified by
actibodies to PREFamide.";

Bature 305:328-3380(1988).

-! FUNCTION: MAY FUNCTION AS A NEGROTHANSMITTER OF MCHILITER.

-! SIMILARITY: BELONGS TO THE FARP (FMRFAMILE RELAIDD PEPTIDE).
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Bukaryota, Viridiplantae: Streptophyta; Embryophyta: Tracheophyta: Spermatophyta: Magnoliophyta; eddicotyledons; core endicots; caryophyllidae: Caryophyllidae: Caryophyllidae: Caryophyllidae: Caryophyllidae: Caryophyllidae: Chenopodiaceae: Spinacia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   31.4%: Score 11: DB 2: Length 5: 106.0%: Pred: No. 8.3c-05; tive 0: Mismatches 0; indels
                                                                                                                     Bacillus cereus.
Bacteria, Firmicutes, Bacillales, Racillacede, Bacillus.
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(1-20N-2000 (TrEMBLrel, 14, Created)
01-JUN-2000 (TrEMBLrel, 14, Last Sequence ::pdate)
01-JUN-2000 (TrEMBLrel, 16, fast annotation update)
Chloroplast 50s ribosomal protein L10 beta (Fragment).
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01-JUN-2002 (TEMBLrel. 21, Created)
01-JUN-2002 (TEMBLrel. 21, Last sequence updato)
01-JUN-2002 (TEMBLrel. 21, Last annotation update)
FMRRanide-like neuropeptide (LPLRF-amide).
Created)
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SEQUENCE 5 AA: 645 MW; 69D4074767400600 CRC64:
                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE 5 AA; 623 MW; 6801AAA346F00006 CRC64;
                                                                                                                                                                                                                                                                 STRAIN-NCIMB 11796;
Browne N., Dowds B.C.A.;
Submitted (JUL-2001) to the SWISS-PRO! data Park.
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01-0CT-2001 (TrEMBLrel, 18,
88 kDa protein (Fragment).
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Copyright (c) 1993 - 2603 Compagen Ita.
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Post-processing: Minimum Match 0% Maximum Match 160% Listing lirst 45 summaries

Minimum DB seq length: 0 Maximum DB seq length: 6

sp_human:*
sp_invertebrate:*
sp_mammal:*
sp_mhc:*

SPTREMBE_23:*
1: sp_archea:*
2: sp_bacteria:*
3: sp_fungi:*

sp_ordanelle:* sp_phage:*

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sp_virus:*

BLOSUM62 Gapop 10.0 , Gapext 0.5

Scoring table:

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US-09-780-612A-1 35

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P83308

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P82181 P82541 P82182 Q68433 Q99007

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PRELIMINARY:

P83073 P83073; RESULT 1 P83073 ID P8307 ~

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KX MEDINE-2043599; PubMed-10074046; KX MEDINE-2043509; Managuchi K., Subramanian A.R.; RESTANDANDI Of an organelle inbosome (chiotoplust)."; Fig. 2010. Chem. 275.2446.24482(2000).

F. FIGHTON: THIS PROTEIN BIDDESTRY TO 2.8 RIBOSOMA; KNA. CH. SUBCELLUIAR LOCATION: CHIOROFIAST.

F. SUBCELLUIAR LOCATION: CHIOROFIAST.

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F. SIMILARITY: BELONGS TO THE ELORY OF RIBOSOMA! FROITBINS:

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P. PIAM: PROSOMAL_LIO: PARTIAL. 0 Gaps Rattus Sp. Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Makaryota, Metheria, Rodentia, Sciurognathi, Muridae, Murinae, Rattus. NCBI_TaxID=10118; Eukaryota, Viridiplantae: Stroptophyta: Embryophyta; Iracheophyta; Spermatophyta: Magnoliophyta; endicotyledons; core e-dirots; Caryophyllades; Chenopodiaceae: Spinacia. NGFL_TaxID=3562; Sato H., Aono S., Kashiwamata S., Koiwai O.;
"Genetic defect of bilirubin UDP-glucuronosyltransferase in the hyperbilirubinemic Gunn rat.":
Blochem Biophys. Res. Commun. 177:1161-1164(1991).
EMBL: \$38036; AAB19259.1;
Transferase. ä Inders 14,3%; Score 5: DB 10; Length 6: 100.0%; Pred. No. 8.5e+05; 01-JUN-2000 (TrEMBLrel. 14, Created) 01-JUN-2000 (TrEMBLrel. 14, Last sequence update) 01-MAR-2002 (TrEMBLrel. 20, Last amediation update) 5-hloropiast 50S ribosomal protein L10 gamma (Fragment). Spinacia oleracea (Spinach). 01-NOV-1996 (TrEMBLrel. 01, Created) 01-NOV-1996 (TrEMBLrel. 01, Last sequence update) 01-MAR-2003 (TrEMBLrel. 23, Last annotation update) SEQUENCE 6 AA: 675 MW; 6321B415B050B000 CRC64; 4 AA; 473 MW; 633732C42000000 CRC64; Bilirubin UDP-glucuronosyltransferase (Fragment). 6 AA 0; Mismatches STRAIN=Gunn; MEDLINE=91282758; PubMed=1840486; 1; Conservative PRELIMINARY; PRELIMINARY; Sest Local Similarity SEQUENCE FROM N.A. (2 4 x - x 2 4 5 T 5 NON_TER SEQUENCE Odery Match SEQUENCE Q08433; P82182; 008433 P82182 Matches RESULT 6 Q08433 RESULT 5 õ ñ

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Ol-NOV-1996 (TERMBLEE). G1, Credicus

Ol-NOV-1996 (TERMBLEE). G1, East sequence (pdate)

Ol-MAR-2603 (TERMBLEE). 23, Last annotation update)

Alpha amylase (Fragment).

AMY1 GRNE.

Hordeum vulgare (Barley).

Bukaryota: Viridiplantae: Streptophyta: Embryophyta: Tracheophyta:

Spermatophyta: Magnoliophyta: Lillopsida; Poales: Poaceae; Fooldene:

Triticeae; Hordeum.

NCBI_TaxID-4513:
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SEQUENCE FROM N.A.

MEDILIS-91329704; PubMed-1831055;
Jacobsen J.V. Close T.J.

"Control of transient expression of chimacric denes by qibberellic acid and abscisic acid in protoplasts prepared from mature bareley acid and abscisic acid in protoplasts prepared from mature bareley Plant Moi. Biol. ib:713-721(1991).

EMBL: X54643; CAA38455.1; -..

SEQUENCE 5 AA: 60C MW; 61E3344DD6F30009 CRC64;
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ALLGNMENTS

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Tissue repair; peritoneum: surgery, post-surgically; inhibition; platelet aggregation; cardiovascular; orthopedic; thoracie;
                                                                                 Adhesion formation prevention RGD-contg. poptide.
                  AAR36709 standard; peptide; 6 AA.
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                                                      25-MAR-2003
26-AUG-1993
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                                    AAR36709;
RESULT 1
AAR36709
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Prevention of adhesion formation, partic, post-surgically - comprises

administering a RGD-contg. peptide for a time sufficient to permit

Example, Page 18: 22pp; English.

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tissue repair

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is critical in sperm-egg fusion. (Updated on 25-MAR-2003 to correct PN field.)
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Example 7; Page 27; 79pp; English.

DB 15; Length 6;

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AAW0743C is a preferred peptide identified in an assay for testing peptides for tumour-invasion inhibitory activity. The peptides (confg. the RGD sequence) shows significant inhibition of tumour invasion of the ECM. Other peptides tested (see AAW07431-W06433) did show inhibitory activity but to a lesser extent than peptide AAW07430 The peptides identified can be used to treat cancer and to prevent metastasis, in partic. Invasion of the extracellular matrix (ECM).
                                                                                                                                                                                                                                                                                                                                                                                                                     Tumbour invasion; extradellular matrix; ECM; motastasis; RGD sequence; cancer; inhibition; control.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Inhibiting tumour cell invasion through an extracellular matrix - using peptide contg. the RGD sequence, partie, for preventing tumour metastasis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                         Liders
                                                                                                                                                                                                                                                                                                                                                                                  Synthetic, preferred tumour invasion-inhibitory peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; Score 35; DB 17;
; Pred. No. 9.3e+05;
0; Mismatches 0;
Pred. No. 9.5e+05;
Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (Updated on 25-MAR-2003 to correct FF field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pierschbacher MD, Ruosiahti El;
                       0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (LJOL-) LA JOLLA CANCER RES FOUND.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 2; Column 7-8; 8pp; English.
                                                                                                                                                                                                                         AAW07430 standard; peptide; 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8305-0554821.
8505-0744981.
8805-0166530.
8805-0242713.
9105-0660526.
9105-0683585.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              93US-0169743.
                                                                                                                                                                                                                                                                                                                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The peptides are soluble.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                         6; Conservative
                                                                                                                                                                                                                                                                                                                 (updated)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WP1: 1996-392651/39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
Matches 6; Conserv
    Best Local Similarity
Matches 6; Conserv
                                                                   1 GRGDTP 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9
                                                                                            GRGDIP (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          5 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 GRGDTP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 GRGDTP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            17-DEC-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        17-DEC-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          .0-APR-1391;
08-007-1991;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         25-FEB-1991;
                                                                                                                                                                                                                                                                                                                 25-MAR-2003
                                                                                                                                                                                                                                                                                                                                      2. - JAN-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         JS5547936-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20 - AUG-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  17-JUN-1985
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                09-SEP-1988
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Schlsen KR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence
                                                                                                                                                                                                                                                                       AAW07430;
                                                                                                                                                                                  RESULT 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        .a
                                                                                                                                                                                                                                                                                                                                                                                                                                Saps
                                                                                                                                                                           preventing addression formation, partie, in the peritoneum following surgery, but also for e.g. cardiovascular, orthopodic, thereale, ophthalmic, CNS and other uses. In addn., the peptide inhibits platelet aggregation and does not induce inflammation or trauma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PH-20; PH-30; contraceptive; fertillsafion; sperm surface protected
                                                                                                          sequence is that of an RGD-contg, peptide which is used in a thod for prevention of adhesion formation for a time sufficient permit tissue repair. The method is used for minimising or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 7 describes the use of PH-10 beta distribution peptides as inhibitors of sperm fusion to egg plasma membrane. Modified peptides AAR47382-83 and control peptides (AAR4786+85) were tested. From Observations it was concluded that the PH-30 beta disintegrin domain represents an epitope which
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Contraceptive vaccine for reducing sperm-equ fusion - comprises peptide from sperm surface protein which stimulates antibody
                                                                                                                                                                                                                                                                                                                                                                                                                                <u>:</u>:
                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                              .
O
                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 35; DH 14;
100.0%; Pred. No. 9.3e+95;
                                                                                                                                                                                                                                                                     at the site of administration. (Updated on 25-MAR-2003 to correct PN field.)
                                                                                                                                                                                                                                                                                                                                                                                                                              Mismatches
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PH-30 beta disintegrin control peptide.

vaccine, sperm-egg fusion.

Rubella virus

W09325233-A1

23-DEC-1993.

(updated)
(first entry)

25-MAR-2003 22-JUN-1994

AAR47384;

93WO-US05540. 9203-0897883.

10-JUN-1993;

12-JUN-1992;

(UYCO-) UNIV CONNECTICUT.

Primakoff P;

Myles DG,

WPI; 1994-007200/01

AAR47384 standard: Protein; 5 AA

RESULT 2 AAR47384

g õ

0;

6; Conservative

Matches

Query Match Best Local Similarity

6 AA;

Sednence

RESULT 4

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16-SEP-1999.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    inflammatory discase; autoimmune diseases; arthritis; diabetes; stroke; organ rejection; ischemia; Alzabetes; disease; myorardia; infarction; haemorthagic shock; diabetic retinepathy; venous insufficiency; angina; trauma; protease inhibitor; hypertension; sepais.
                                                                                                                                                                                                                                                                                                                                                     RGD peptides (AAR94570 and AAR94571), inhibitors of cell attachment to type I collagen, inhibited attachment of chicken fibroblasts to cytotactin (see also AAR94547-48) by 73% and 70% respectively. Inhibition was total when the peptides were used together with 5022, a function-blocking monoclonal antibody against the beta-i interpin. This suggests that there are 2 integrin binding sites on cytotactin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Cell activation; pancreas; treatment; cardiovascular disease; trauma:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     School (
                                                                                                                                                                                                                                                                                             Cytotactin polypeptide(s), derivs, and antibodies - capable of stimulating neuronal cell attachment, neurite out-growth and cell elongation
                                                                                                 Cytotactin, neuron, neurite, cell attachment, cell elongation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 6:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    :ndels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Neutrophil-activating panereatic derived peptide 114.
                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 45; DB 17;
nilarity 100.0%; Pred, No. 9.3e-05;
Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                      Prieto AL:
                                                                                                                                                                                                                                                                                                                                   Example 5: Page 81: 159pp: English.
                  AAR94571 Standard: Fept.1de: 6 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAY50314 standard: Peptide; 6 AA.
                                                                                                                                                                                                              9408-0308359
                                                                                                                                                                                          95WO-US11684
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  12-JAN-2000 (first entry)
                                                                                                                                                                                                                                                     Crossin KL, Phillips G.
                                                                                                                                                                                                                                 (SCRI ) SCRIPPS RES INST
                                                                                                                                                                                                                                                                         WPI; 1996-179904/18.
                                                                                                                                                                                                                                                                                                                                                                                                                                               Ouery Match
Best Local Similarity
Matches 6: Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 GRGDIP 6
                                                                                                                                                                                                                                                                                                                                                                                                                             Seguence 6 AA;
                                                                                                                                                  WO9608513-A1
                                                                                                                                                                                                            16-SEP-1994:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO9946367-A2
                                                                                                                                                                                          14-SEP-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Unidentified
                                                        21-JUN-1996
                                                                                                                                                                      21-MAR-1996
                                                                            RGD peptide
                                                                                                                              Synthetic
                                      AAR94571;
                                                                                                            antibody
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 5
AAY50314
        AAR94573
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This invention describes a movel method for the use and proparation of cell activating compositions which involves preparing a cell activation compositions which involves preparing a cell activating composition composition and cell activating the about neutral or higher pH to produce a homogenete. (b) removing about neutral or higher pH to produce a homogenete. (c) optionally incubating the resulting homogenate, with particulates removed, with a protease; and cell fractionaring the homogenate and selecting fractions that oxhibit cell activation activity. The methods can be used for improving the cell activation activity. The methods can be used for improving disease, inflammatory disease, treatment of e.g. cardiovascular disease, inflammatory disease, treatment of use tracks. Indianates, venous insufficiency, unstable angina or traumance in percentage of the veterinary treatment of a non-human subject. They can be used in the veterinary treatment of a non-human subject. Protease inhibitors can be used to lower cell activation resulting from these diseases and deficiencies. The detection of an elevated level of hydrogen peroxide in plasma or whole blood and in the elevated level of hydrogen peroxide in plasma or whole blood and in the creation of an active cardiors of regulation. An elevated level of hydrogen peroxide in plasma or whole blood and in the conset of superection of an active cardioral control of the presence of Superoxide in plasma or whole blood and in the conset of superoxide in plasma or whole blood and in the conset of superoxide in plasma or whole blood and all of the conset of superoxide in plasma or whole blood and a low event in the presence of Superoxide in plasma or whole blood and all subjects or and processed and conset or superoxide in plasma or whole blood and all subjects or superoxide in plasma or whole blood and all subjects or superoxide in plasma or whole blood and all subjects or superoxide and active or superoxide in plasma or whole blood and all subjects or superoxide and activ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               condition e.g. hypertension or sepsis. AAY56201-Y50334 represent peptides used in the method of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                    Use of cell activating compositions is developing products for diagnosis and treatment of e.g. cardiovascular, inflammatory, autoimmune or Alzheimer's disease, trausa, atthritis, organ rejection,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Non-crosslinked protein particle; diaquostic; therapy; monodisperse; albumin; haemoglobin; nanometer; micrometer; clearance.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%, Score 35; DB 20; Lougth 6; 100.0%, Pred, No. 9: Ne-05; tive 6; Mismatches 9; Indels
                                                                                                                                                                                                                                                                                              Kistler
                                                                                                                                                                                                                                                                                          Highl TE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Non-crosslinked protein particle peptide 176.
                                                                                                                                                                                                                                                                                          Schmid-Schonbell GW,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 9: Page 184: 184pp: English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       diabetes, stroke or ischemia -
99WO-0S05247
                                                                    9835-0036894
                                                                                                                                         ACTIVATION INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
                                                                                                                                         (SELL-) CELL ACTIVATION I
(REGC ) UNIV CALIFORNIA.
(SCRI ) SCRIPPS RES INST.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
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Bost Local Similarity
                                                                                                                                                                                                                                                                                                                                                               WFI; 1999-580234/49.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 GRGDTP 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GRGDIP
                                                                                                                                                                                                                                                                                          Stoughton RB,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          21-0C1-1999
11-MAR-1999;
                                                                    11-MAR-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAY31127;
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12 - NOV - 1996;
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                                                                                                 Example 22;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Cleary PP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic
                                                                                                                                                                                                                                                                       Sequence
                                                                                                                                                                                                                                                                                         CONTY MATCH
                                         Yen KCK
                                                                                                                                                                                                                                                                                                                                                                               RESULT 8
AAW84459
                                                                                                                                                                                                                                                                                                 Hest
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                                                                                                                                                                                                                                                                                                                                                  2
                                                                                                                                                                                                                  This invention describes a novel aqueous suspension of monodisperse particles on non-crosslicked, non-denatured albumin (80-5000 nm) which is stable against dissolving upon dilution with an elochol-free aqueous medium. The method involves (a) forming an aqueous solution containing albumin and hemographs and (b) treating the aqueous solution with an alcohol to cause the solution to become turbid. The particles are usern, as agents for in vivo administration, either of their own administration or as a vehicle for other ficerapetic or diagnostic aments. The method permits the formation of albumin and hemoglubin particles in the method manometer and micrometer size range, if a form closer to their matural form than the forms of their and the form of their activities and more closely controlled agent for in vivo administration, with smealer asse of certains for the total form.
                                                                                                                                                                                                                                                                                                                                                  AAY30952-Y31135 represent peptides used in the method of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                              Gans
                                                                                                                                                                                Non-crosslinked protein particles for therapeutic and diagnostic use
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Non-crosslinked protein particle; diagnostic, therapy, monodisperso, albumin; haemoglobin; nanometer; micrometer; clearance.
                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 45; CB 26; Lungth 6; 100.0%; Pred. No. 9.3e+05;
                                                                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Non-crosslinked protein particle peptide 74.
                                                                                                                                                                                                                                                                                                                                                                                                            0: Kismatenes
                                                                                                                                                                                                  Example 22; Column 123-124; 65pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAY31025 standard; peptide: 6 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      91US-0641720.
92US-0959560.
93US-0069831.
                                                          9408-0212546.
9108-0641720.
9208-0959560.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           96US-0747137.
                                                                                       93US-0069831
96US-0747137
                                      9608-0747137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                            6, Conservative
                                                                                                                     (HEMO-) HEMOSPHERE INC
                                                                                                                                                            WPI; 1999-508153/42.
                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                1 GRGDTF 6
                                                                                                                                                                                                                                                                                                                                                                                                                                            I GRODIP 6
                                                                                                                                                                                                                                                                                                                                                                     Sequence + 6 AA;
                                                          14 - MAR - 1994;
15 - JAN - 1991;
13 - OCT - 1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      15-JAN-1991;
13-OCT-1992;
01-JUN-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          12-NOV-1996;
                                       12-NOV-1996;
                                                                                       01-JUN-1993;
12-NOV-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          21-0CT-1999
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US5945033-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      31-AUG-1999
                   31-AUG-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                          Ouery Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAY31025
                                                                                                                                         Yen RCK;
                                                                                                                                                                                                                                                                                                                                                                                                            Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                           This invention describes a novel aqueous suspension of monodisperse particles on non-crosslinked, non-denatured albumin ($5.5000 nm) which is stable against dissolving upon dilution with an alcohol-tree aqueous medium. The method involves (a) forming an aqueous solution containing albumin and hemoglobic and (b) treating the aqueous solution containing a albumin and hemoglobic and (b) treating the aqueous solution with an aloohoi to cause the solution to become turbid. The particles are useful as agents for in vivo administration, either of their own administration or as a vehicle for other therapeutic or disquosic agents. The method permits the formation of albumin and hemoglobin particles in the method form than the forms of the prior art. The particles therefore constitute a more closely controlled agent ict is a form closer to their natural ease of clearance from the body after their period of usefulness.

AAY30952-Y31135 represent poptides used in the retind of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                       Non-crosslinked protein particles for therapeutic and diagnostic use
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Method for treating mammal infected by pathogenic microcranism - comprises administering to mammal composition comprising inhibitory compound which inhibits adherence to or invasion of a cell by microcranism
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RGD peptide that stimulates cell invasion by S. pyonenes 90-226
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ...
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cell adhesion; cell invasion; troatment; bacterial infection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; score 35; DB 26; Longth 6; 100.0%; Pred. No. 9.3e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               indels
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                                                                                                                                                                                                                                                                                                                                                          Column 81-82; 65pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAW84459 standard; Peptide; 6 AA.
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96US-0747137.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (MINU ) UNIV MINNESCTA
                                                                       ONI BEMOSPHERE INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WFI: 1999-080856/07.
                                                                                                                                                                                                                   WP1: 1999-508153/42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Cue DR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 GRGDTP 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GRGDTP 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      funga: infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       6 AA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  W09856408-A2
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Query Match 186.
Best Local Similarity 186.
Matches 6: Conservative
                                                                                                                                                             WPI; 2030-687029/67.
                          fungal infection
                                                    1 GRGDIP 6
                                                                                                                          WO200061545-A1
                                                                                                                                                        Gopalsamy A,
                                                                                                                    Unidentified.
                                                                                                                                            14-APR-1999;
      present
                                                                                                                                19-0CT-2000
                                                                            AAB28163;
                                Sednence
                                                                RESULT 9
                                                                   AAB28163
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rate-determining step of extracellular matrix formation. The scalfold can be designed to have a predetermined resorption/degradation rate, and may include regulatory compounds for specific cell types.
                         anido-carboxy];c acid derivatives of the present invention to inhibit, integrin vitromectin receptor (alpha_vbeta_3) bidding. Integrin alpha_vbeta_3 has been shown to mediate the invasion of cancerous melanoma cells into healthy tissue and to protect these cells against apoptosis. In addition, vitromectin receptor antaconists have been shown to inhibit the growth of various solid tumours of homen origin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       System for reconstructing osseous tissue, useful e.g. for treating fractures, comprises scaffold containing promoter of bone iorration and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (I) induces migration and adhesion of esteoblats and osteoclasts and (II) induces migration and adhesion of esteoblats and osteoclasts and fragments, proteins and peptides that fucilitate estection binding plasminogen activator inhibitors, protease inhibitors and metalloprotease inhibitors. The peptides AAY80466-Y80492 are claimed examples of cell adhesion peptides used in the system of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The system is used to replace, remodel or correct bone defects, e.g. fractures, fissures or bone mass loss. Incorporation of (1) into the scaffold results in rapid seeding by osteoblasts and the development of an organic matrix, i.e. the preformed scaffold replaces the
used as a reference compound in an assay for the ability of coxylic acid derivatives of the present invention to inhibit.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       invention relates to a novel system for reconstitution of osseous
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Bone reqenerative: osteopathic: ossecus tissue: reconstitution; scaffold matrix; bone formation promoter; bone resorption inhibitor; cell adhesion; osteoblast; osteoclast; bone defect; fracture.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                tissue comprising a scaffold carrying a compound (1) that promotes bone formation and a component that decreases bone resorption (II)
                                                                                                                                                                                                                                                                                                                                     siopor
                                                                                                                                                                                                                                                                         100.0%; Score (5; DB 21; Fought)
100.0%; Pred, No. 9.564.05;
Eve. 6; Mismarches (7; Edels
                                                                                                                                                                                                                                                                                                                               6. Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (PHAR-) PHARMACAL BIOTECHNOLOGIES INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 14; Page 31; 44pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAY80475 standard; peptide; 6 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             inhibitor of bone resorption
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .0089.ESJ-0W66
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9805-0122348
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Cell adhesion peptide #10
                                                                                                                                                                                                                                                                                                                                     6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2000-195084/17
                                                                                                                                                                                                                                                                                                        Bost Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                        1 GRGDIP 6
                                                                                                                                                                                                                                                                                                                                                                                                                                           1 GRGDIP 6
                                                                                                                                                                                                                        6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    W0200004941-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          03-FEB-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Synthetic.
  which was
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Budny JA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAY80475;
                                                                                                                                                                                                                           Sequence
                                                                                                                                                                                                                                                                              Juery Match
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     8888888888
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           antiarthritic; ophthalmological, osteopathic;
amido-carboxylic acid derivative; cancer: angiogenesis;
neovascularisation; macutar degeneration; qlaucoma; blindness
rheumatoid arthritis; restenosis; viral infection; bone resorttion;
osteoporosis; osteopenia; perfodoutal disease; hyperparathyroid:sm;
Paget's disease; integrin vitronectin receptor; alpha_vbeta_3; melanoma.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             blindness, rheumatoid arthritis, restenosis, smooth cell proliferation, and migration, vascular endothelial cell proliferation and migration, viral infection (characterised by bone resorption of mineralised
                                                                                                                                                                                                                                                                                                                                                                                                                       3100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New amido-carboxylic acid derivatives are integrin inhibitors used t
treating e.g. cancer, restenosis, osteoporosis, viral infection and
bone disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The present invention relates to amido-carboxylic acid derivatives, amido-carboxylic acid derivatives may be used for treating cancer, anglogenesis, neovascularisation, macular degeneration, glaucoma,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Antiviral; antiinilammatory; cytostatic; vasotropic; antirheuratic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Peptide #3 used to assay vitronectin receptor binding inhibition.
                                                                                                                                                               by a pathogenic micropidables which comprises administering an inhibitory compound to inhibit adherence to or invasion of cells by the pathogen, the method is used in the treatment of bacteria.
                                                                                                                                                                                                                                                                                                                                                                                                                    2
                                                                                  stimulate cell invasion by Sureptonocous pyogenes 90-226, the peptides were used in the course of the invention, the
                                                         sequence represents a RGD peptide that is able
                                                                                                                                        specification describes the treatment of a mammal intected
                                                                                                                                                                                                                                                                                                                                                              Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                  indels
                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 35; DB 23;
100.0%; Pred. No. 9.se+05;
                                                                                                                                                                                                                                                                                                                                                                                                                    Mismarches
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Example 2; Page 43; 83pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAB28163 standard; peptide: 6 AA.
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                                                                                                                                                                                                                                                                                                        6 AA.
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integrin modulator peptide #3.
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(first entry)
                                                                                                                                                                                                                  (first entry)
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Rest Local Similarity 106.
Matches 6: Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (REGC ) UNIV CALIFORNIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Lysen S. Xiaoning B.
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                                                  9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          é AA;
                1 GRGDTP
                                         | GRGDIP
                                                                                                                                                                                                                                                                                                                                                                               WC200226107-A2.
                                                                                                                                                                                                                                                                                                                                             Jnidentified
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                                                                                                                                                                                                                  27-AUG-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAW15667;
                                                                                                                                                                               ABB80076;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              kESULT 13
AAW15567
                                                                                                                            ABB30076
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The present invention describes a modified therapeutic peptide (1) comprising a therapeutically active armso and legion (11) and a reactive group (11) (e.g. succinimidy) and malefields groups) attached to less therapeutically active anion and legion (17), which covariently bonds with amino/hydroxy./Thiol groups on blood camponents to form a peptidase stabilised therapeutic peptide composed of 3.50 amino acids. (1) are useful for modifying therapeutic peptides e.g. hormones, growth factors and neurotransmitters, to protect them from peptidase activity in vivo for the treatment of various disorders. Endogeners therapeutic peptides are not suitable as drug candidates as they require frequent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Modifying and attaching therapoutic peptides to albumin prevents peptidase degradation, useful for increasing length of 10 vivo activity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      administration due to rapid degradation by peptidases in the body.
Modifying and attaching therapeutic peptides to albumin prevents or
reduces the action of peptidases to increase length of activity (half
life) and specificity as bonding to large molecules decreases
intracellular uptake and interference with physiological processes.
AAB90829 to AAB92441 represent peptides which can be used in the
                                                                       Caps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Saps
                                                                                                                                                                                                                                                                                                                                                                           Protection; endogenous therapeutic peptide; peptidase; cosjugation; blood component; modification; succinimidy;; maleimido aroup; amino: hydroxyl; thiol: hormone; growth factor; neurotransmitter.
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                                                                                                                                                                                                                                                                                                                                           Fibronectin fragment and fibrin related paptide SEQ ID NG:1148.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 6;
                                     Denotti 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             indels
                                                                       :ndels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 35; DB 22;
ilarity 100.0%; Pred. No. 9.3e+05;
Conservative 0; Mismatches 0;
                                 100.0%; Score 35; Ds 21;
100.0%; Pred. No. 9.3c-05;
                                                                       Mismatches
Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               exemplification of the present invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Milner PG,
                                                                                                                                                                                                                                   AAB91972 standard: Peptide: 6 AA.
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                                                                                                                                                                                                                                                                                                           (first entry)
                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Bridon DP, Ezrin AM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (CONG-) CONCUCREM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2001-112059/12
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Best Local Similarity
Matches 6; Conserv
                                 Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                           1 GRGUTP 6
                                                                                                                              11. il
1 GRGDTP 6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      Homo saplens
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                                                                                                                                                                                                                                                                                                         22-JUN-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Synthetic.
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                                                                                                                                                                                                                                                                       AAB91972:
Seguence
                                                                                                                                                                                                   RESULT 11
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The invention relates to experimental models for studying neurodegenerative diseases associated with anyloid accumulation. The activity of peptides of the invention may be described as neuroprotective and anti-Alzheimer's. They act by inhibiting amyloid accumulation. The experimental model may be used to study neurodegenerative diseases associated with amyloid accumulations, e.e. Alzheimer's diseases and to identify potential therapeutic agents the treating those diseases into current sequence represents an integrin meditator populate of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Experimental models for studying neurodegenerative diseases associated with amyloid accumulation, useful for studying e.g. Alzheimer's disease and for identifying potential therapeutic agents -
                                                                                                                                                                                                                                                                    Neurodegenerative disease: amyloid; neuroprofective; anti-Alzheimer's;
Alzheimer's disease: integrin; therapeutic agent.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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100.0%; Pred. No. 9.3e-05;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 15: Page 53; 80pp; English
ABB80076 standard; peptide: 6 AA
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(first entry)

25-SEP-2002

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AAW15576-W15695 represent platelet aggregation inhibitors. All of those sequences are hydrophobically enhanced RGD poptide analogues. The interaction of blood platelets with the endothelial surface of injured blood vessels and with other platelets (platelet aggregation) is a major factor in the course of development of thrombi. Thrombosis is a serious condition which can cause tissue damage and eventually death (if untreated). Platelet aggregation is dependent upon the binding of complex on the platelet plasma membrane, ap ILD/III a glycoprotein complex on the platelet plasma membrane, ap ILD/III a jlycoprotein complex on the platelet plasma membrane. Brib/III a glycoprotein complex on the platelet recognition sequence. The peptides inhibit platelet aggregation without protein sequence. The peptides inhibit platelet aggregation without protein sequence. The peptides inhibit platelet aggregation inhibitors for the ILD/III a receptor and low affinity for the fibronectin inhibitors for treating thrombosis and vascular graft orclision.

(Updated on 25-MAK-2003 to correct PF field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ë
Platelet aggregation inhibitor; RGD analogue: cyclic peptide: fibrinogen; hydrophobically enhanced analogue: blood platelet; endethelial surface: blood vessel; serum protein: GP IT/III a dlycoprofen complex; integrin: plasma membrane: thrombosis; cell addesion receptor; fibropectin: viscolar graft ceclusion; therapy.
                                                                                                                                                                                                                                                   OTHER betairentamethylene-betaimereptopiolie.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RGD-contg. peptide(s) that inhibit platelet aggregation - useful for
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                                                                                                                                                                    Location/Qualifiers
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900S-0506444.
930S-0050736.
940S-0204817.
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2 GRGDTF 7
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Modified-site
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02-MAR-1994;
22-DEC-1994;
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06-APR-1990;
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ABP61362 standard; Peptide; 9 AA.

ABP61362

ABP61362

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             fibromectin and vitromectin receptors. The peptides prevent inappropriate growth of vascular smooth muscle cells and arterial graft occiusion. The sequences shown in ABP61271-ABP61390 represent the cyclic peptides of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New cyclic peptides are human planelet aggregation receptor GPLIb/IIIa
binders used for treating thrombosis, stroke and vascular graft
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                                                                       circular: platelet aggregation: thrombosis: anticoagulant;
                                                                                     platelet aggregation receptor GPIIb/IIIa: thrombolytic, stroker
corebroprotective: immunosuppressive; vascular graff ecclusion
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nercaptopropionic acid"
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100.0%; Fred. No. 9.Ne+05;
ive 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Disclosure: Column 75: 63pp: English
                                                                                                                                                                           Location/Qualitiers
                                         Anti-thrombotic cyclic peptide #92
                                                                                                                                                                                                                                                                                                                                                                                                                                               (LUCL-) LA JOELA CANCER RES FOUND.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Fierschbacher MD, Lukeman DS,
                                                                                                                                                                                                         /label= OTHER
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94US-0204817.
94US-0363963.
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sest Local Similarity
has 6, Conserve
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                                                                                                                  anti-thrombolytic
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Microspheres for active embolisation comprising a cross linked hydrophilic polymer and a drug or vaccine are useful for site-directed therapy via the blood supply, particularly of tumours
                                                     Embolisation therapy, analogenia-dependant disease, cancer; drug delivery; vacathe; microsphere; precancerous; therapeutic factor; integrin-binding; cytostatic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Disclosure, Page 34: 73pp; English
                                                                                                                                                                                                                                                                                                                                (BIOS-) BIOSPHERE MEDICAL INC.
                                                                                                                                                                                                                                                    23-MAR-2001; 2001WO-JS09619.
                                                                                                                                                                                                                                                                                       24-MAR-2000; 2000US-191899P.
                Integris-binding peptide
                                                                                                                                                                                                                                                                                                                                                                  Vogel J, Boschetti E;
                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2002-034141/64.
                                                                                                                                                                         WO200172281-A2.
                                                                                                                                    Unidentified
                                                                                                                                                                                                             04-OCT-2001.
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The invention relates to a microsphere suitable for active embolisation comprising a biocompatible, cross linked and substantially hydrophilism polymer and a drug or varefne, the activity of which may be described as cytostatic. Compositions and methods of the invention may be used in the treatment of angiocent-dependent liseases including cancer and delivery of therapoutic dependent liseases including cancer and delivery of therapoutic drugs, polymerics are used for site and discrete the principle of the control sequence represents an including binding peptide that may be used as a transfection about to increase the efficiency of transfer of a bioactive therapeutic fauter into onlike.

Sequence 9 AA;

100.0%; Scorr 35: 58.2%; Bength 9; [00.0%; Pred. No. 9.8e-05; ative 0; Mismatches 0; Indels Conservative Ouery Match Best Local Similarity Matches 6: Conserv

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Sequence 118,
Sequence 24, A
Sequence 30, A
Sequence 31, A
Sequence 31, A
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185.
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              Gopyright (c) 1995 - 2003 Compagen Ltd
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05-08-178-482-7
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                                                                                                                                                                                                                                                                                                                    328717 seqs, 43310858 residues
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Listing first 45 summaries

    protein search, using sw model

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acuentes acu			.5 16	
100.0 10	ALIGNMENTS	HESULE 1 Sequence 2, Application US/G8169743 Sequence 2, Application US/G8169743 PAIGHT NO. 5547936 GENERAL : INDEMATION: APPLICANT: BIESCHBACHER, MICHAEL D. APPLICANT: GEHLSN, KORT R. IITLE DF INVENTION: SYMIHETIC PEPTIDES NUMBER OF SECONCES: 6 CORRESPONDENCE ADDRESS: ADDRESSED: PRETTY, SCHROEDER, HKUDGGEKANN & CLARK STREET: LOS ANGELES STATE: GOODH FLOWER STREET: SUITE 2000 CONTRY: LOS ANGELES STATE: OF ALLEGRIE FORM: MEDIUM TYPE: FLOPPY disk CONNTRY: UNITED STATES ZIP: 90071 COMPUTER READBRIE FORM: MEDIUM TYPE: FLOPPY disk COMPUTER: LOS ANGELES SCTWARE: PATENTION NUMBER: US/O8/169,749; FILING DATE: US OF 1991 ATTORNEY/AGENI INFORMATION: FLEERATION NUMBER: US O7/771,106 FILING DATE: US OF 1991 ATTORNEY/AGENI INFORMATION: FELECOMMUNICATION NUMBER: 3 2, 547 REFERENCE/DOCKET NUMBER: 2 3, 547 REFERENCE/DOCKET NUMBER: 3 1, 547 REFERENCE/DOCKET NUMBER: 3 2, 547 REPREDATION NUMBER: 3 2, 547 REP	100.0%; Score 35: DB 1; Length 5 imilarity 100.0%; Pred. No. 2.5c+C5; Conservative 0; Misratches 0; Indels	GRGDIP 6
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CURRENT APPLICATION DATA:
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                                                                                                                                    GENERAL INFORMATION:

APPLICANT: DIZFREGA ., GERE S
APPLICANT: NOBGES ., XATHLEEN E
APPLICANT: NOBGES ., XATHLEEN E
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR PREVENTING
TITLE OF INVENTION: ADHESION FORMATION
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: ROBBINS, LALGARN, BERLINER & CARSON
STREET: ZOL NORTH FIGUEROA STREET, FIFTH FLOOR
CITY: LOS ANGELS
STATE: CALIFORNIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 100.0%; Score 35; DB 1; Langto 6: Best Local Similarity 100.0%; Pred; No. 2.564.05; Matches 6: Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: SUMEDHA JAYASENA
APPLICANT: GREG BLESECKER
APPLICANT: GREG BLESECKER
APPLICANT: DREW SMITH
APPLICANT: DREW SMITH
APPLICANT: GRAY KIRSCHENHEUTER
TITLE OF INVENTION: SYSTEMATIC EVCLUTION OF LICANDS BY
TITLE OF INVENTION: EXPONENTIAL ENRICHMENT: BLENDED
TITLE OF INVENTION: BELEX
NUMBER OF SECURICES: 5
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-008/MS-DOS
SCFWARE: Palentin Release #1.0, Versich #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             E: Beaton & Swanson, P.C.
4582 South Ulster Street Parkway, #463
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       . Sequence 1, Application US/08234997
    Patent No. 5681867
. GENERAL INFORMATION:
                                                                                                  Sequence 7, Application US/U8178482
Patent No. 5629294
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (213) 977-1001
                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: (213) 977-1963
INFORMATION FOR SEC 1D NO: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 6 amine acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       amino acid
                                                                                                                                                                                                                                                                                                                                                                                     90012-2628
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                : GRGDIP 6
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1 GRGDIP 6
                                                                                                                                                                                                                                                                                                                                                                    USA
  GREDIP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                 COUNTRY:
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CITY: De
                                                         RESULT 2
US-08-178-482-7
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JS-08-747-1537-74

JS-08-747-1537-74

Sequence 74, Application US/08747137

Sequence 74, Application US/08747137

GENERAL INFORMATION:

APPLICANT: YEN, Richard C.K.

APPLICANT: YEN, Richard C.K.

TITLE OF INVENTION: NON-CROSSLINKED PROTEIN PARTICLES FOR TITLE OF INVENTION: NON-CROSSLINKED PROTEIN PARTICLES FOR TITLE OF INVENTION: 184

CORRESPONDENCES: 184

CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 6;
                  nnulum TYPE: Diskette, 5.25 inch, 360 Xb storage
COMPUTER: IBM pc compatible
OPERATING SYSTEM: Ms-nos
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIble
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STREET: Two Embarcadero Center, 8th Floor CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 35; US 5; 1
100.0%; Pred. No. 2.5e-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mismatches
                                                                                                          SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/234,997
                                                                                                                                                                                                               PRICESSIFICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: 07/714,i31
FILING DATE: JUNE 10, 1991
PRICH CATION DATA:
APPLICATION NUMBER: 07/556,428
FILING DATE: JUNE 11, 1996
PRICH APPLICATION NUMBER: 08/117,991
FILING DATE: SEPTEMBER 8, 1993
PRICH APPLICATION NUMBER: 08/117,991
FILING DATE: SEPTEMBER 8, 1993
PRICH APPLICATION NUMBER: 08/117,991
FILING DATE: SEPTEMBER 8, 1993
APPLICATION NUMBER: 08/123,935
                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: SEPTEMBER 17, 1953
PKIOR APPLICATION DATA:
APPLICATION NUMBER: 08/199, 507
FILING DATE: FEBRUARY 22, 1994
ATIONNEY AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: Barry J. Svanson
REGISTRATION NUMBER: 33,215
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (303) 850-9900
(303) 850-9401
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION FOR SECTION NC:
SEQUENCE CHARACTERISTICS:
LENGTH: 6 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             single
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                  COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Chery Match
Hest local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; TOPOLOGY: linear
US-08-234-997-1
                                                                                                                                                                              FILING DATE:
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GRGDTP 6
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ZIP: 94111
80237
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Gaps
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APPLICANT: GREG BIESECKER
APPLICANT: GREG BIESECKER
APPLICANT: GREG BIESECKER
APPLICANT: LARRY GOLD
APPLICANT: LARRY GOLD
APPLICANT: GRAY P. KIRSCHENHEUTER
TITLE OF INVENTION: SYSTEMATIC EVOLUTION OF LIGANUS
TITLE OF INVENTION: EXPONENTIAL ENRICHMENT: HIENERD
NUMBER OF SEQUENCES: 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MG storage COMPUTER: IfM pc compatible operacing System: MS-DOS SOFTWARE: WordPerfect 6.0 CURRENT APPLICATION DARTA: APPLICATION DARTA: FILLING DATE: OCTOBER 23, 1597
                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 35; DB 2; I
100.0%; Pred. No. 2.50+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: Swanson & Bratschun, L.L.C.
STREET: 8400 E. Prentice Avenue, Suite 160
CITY: Englewood
                                                              NAME: Apple, Randolph T.
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 616197-0000:CS
TELECHONICATION INFORMATION:
TELEPHONE: 415-576-0200
:NFORMATION FOR SEQ ID NO: 176:
                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
    APPLICATION NUMBER: US 07/641,720
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CLASSIFICATION: 435
FRIOR APPLICATION: 435
FRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
FILING DATE: APRTI 28, 1934
FRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/714,131
FILING DATE: JUNE 10, 1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 67/536, 428
FILING DATE: JUNE 11, 1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 68/117,391
FILING DATE: SEPTEMBER 8, 1993
PRIOR APPLICATION NUMBER: 08/117,391
FILING DATE: SEPTEMBER 8, 1993
AND APPLICATION NUMBER: 08/117,391
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 08/123,935
FILING DATE: SEPTEMBER 17, 1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   08/199,507
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   : Sequence 1, Application 05/06956699 : Patent No. 6083696
                                                                                                                                                                                                                                                                                                                                                                                           .
C
                                                                                                                                                                                                                                                TOPOLOGY: not relevant
IS-58-747-137-176
               FILING DATE: 15-JAN-1991
ATTORNEY/AGENT INFORMATION
NAME: Apple, Randolph T
                                                                                                                                                                                            SEQUENCE CHARACTERISTICS:
LENGIH: 6 amino acids
                                                                                                                                                                                                                                                                                                                            Guery Match
Hest Local Similarity 105.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: SEPTEMBE PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
ADDRESSEE: Swanson 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER:
                                                                                                                                                                                                                                         TYPE: amino acid
STRANDEDNESS: not
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Colorado
                                                                                                                                                                                                                                                                                                                                                                                                                                        1 GRGDIP 6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: YEN, RICHARD C.K.
TITLE OF INVENTION: NON-CROSSLINKED PROTEIN PARTICLES FOR
TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC USE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           :ndels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIJM TYPE: Floppy disk
COMPUTER: LAM FC computible
OPERATION SYSTEM: PC-DOS/MS-DGS
SOFTWARE: Fateniin Release #1.0, Version #1.3;
CURRENT APPLICATION DATA:
#PPLICATION NUMBER: US/06/747,137
FILEMSTERICATION: 424
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 35; DB 2; I
100.0%; Pred. No. 2.5e-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES: 184
CORRESPONDENCE ADDRESS:
ADDRESSES: Townsend and Townsend and Crew .LP
                                                                                                                                                                                                                                                                                                                                                                REGISTRATION NUMBER: 36,429
REPERBENCATORY
REPERBENCATION INDMENT: 016197-00.8409S
TELEPHONE: 415-576-0200
INFORMATION FOR ENG. 15 No. 74;
SEQUENCE DARACTERISTICS.
LENGTH: 6 amino actics.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mismatches
                                                                                                                                                                                                                                FILING DATE: 13-0CT-1992

PRIOR APPLIANTON INTA:
APPLICATION NUMBER: US 77/641,720
FILING DATE: 15-JAN-1991
ATTORNEY/AGENT IN-CARATION:
NAME: APPLE Randolph T
REGISTRATION NUMBER: 36,429
                                                                                                PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/069,93;
FILING DATE: 01-JUN-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/959,560
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/959,560
FILING DATE: 13-00T-1932
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US 08/212,546
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APPLICATION NUMBER: US 38/069,831
FILING DATE: 61-JUN-1993
APPLICATION NUMBER: US/08/747,137
                                                                                     US 08/212.546
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-747-137-176

Sequence 176, Application US/08747137

Patent No. 5945033

GENERAL INFORMATION:
APPLICANT: YEN, Richard C.K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           not relevant
               FILING DATE: 12.WV-1996
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 0S 08
FILING DATE: 14.MAR-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 14-MAR-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: not relevant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STREET: Two Embarcad
CITY: San Francisco
STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 GRGDTP 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 USA
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SUMEDHA D. JAYASENA
LARKY GOLD
DRFW SMITH
GARY P. KIRSCHEMHEUTER
TITLE OF INVENTION: SYSTEMATIC EVOLUTION OF LIGANDS BY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIOM TYPE: Diskette, 8.50 inch. 1.44 MG stordage
                                                                                                                                                                                                                                                                                                                       Length 6;
                                                                                                                                                                                                                                                                                                                                                               0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EXPONENTIAL ENRICHMENT: BLENDED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Swanson & Bratschum: L.L.C.
SIREMT: 1745 Shea Conter Drive, Suite 330
                                                                                                                                                                                                                                                                                                                   100.0%: Score 35; DB 3; 100.0%; Pred. No. 2.5e+09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Barry J. Swanson
REGISTRATION NUMBER: 33,215
REFERENCE/DOCKET NUMBER: NEX15/C-CON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: TAK DESCRIPTION
COMPUTER: TAK DESCRIPTION
SOFTWARE: WordPorfert 8.0
CURRENT APPLICATION DATA:
PILING DATE: 29-000-200
PRION APPLICATION DATA:
PRION APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                           0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: 08/956.699
FILING DATE: OCTOBER 23, 1937
APPLICATION NUMBER: 08/234/997
FILING DATE: APPLIL 28/1994
APPLICATION NUMBER: 07/214/131
FILING DATE: JUNE 10, 1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: JUNE 10, 1991
APPLICATION NUMBER: 07/536,428
FILING DATE: JUNE 1, 1990
APPLICATION NUMBER: 08/117,991
FILING DATE: SEPTEMBER 8, 1999
APPLICATION NUMBER: 08/123,935
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: SEFTEMBER 17, 1993
APPLICATION NUMBER: 08/199,507
FILING DATE: FEBRUARY 22, 1994
                 NAME: Barry J. SWanson
REGISTRATION NUMBER: 33,215
REPRENCE/JOCKET NUMBER: NEX15/C
TELEPHONE: (303) 793-384
TELEPHONE: (303) 793-384
INPORMATION FOR SEC ID NO: 1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence i, Application US/39605477; Patent No. 6465189; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CITY: Highlands Ranch
STATE: Colorado
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SELEX
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
LENGTH: 6 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 100.
Matches 6: Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SSA
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                                                                                                                                                                                                                                                                                                                                                                                                       1 GRGDIP 5
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US-09-606-477-1
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GENERAL INFORMATION:
APPLICANT: American Cyanamid Company
APPLICANT: American Cyanamid Company
APPLICANT: Gopalsamy, Ariamaia
APPLICANT: Sang, Hui Y
TITLE OF INVENTION: Methods for Solid Phase Combinatorial Synthesis of Integr.n In
FILE REFERENCE: AMP-68202
CURRENT APPLICATION NUMBER: US/09/548,697A
CURRENT FILING DATE: 2000-04-13
PRIOR FILING DATE: 1999-04-14
                                                                                                                                                                                                                                                                                                                                            0
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                                                                                                                                                                                                                                                                                                                                            Saps
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APPLICANT: Daniel, Thomas O.
APPLICANT: Daniel, Thomas O.
APPLICANT: Stein. Elke
TITLE OF INVENTION: Methods tor Determining Cell Hesponsos
TITLE OF INVENTION: Through, Epha Receptors
FILE REPRENCE: 22000-008501
CURRENT APPLICATION NUMBER: US/09/485,654
CURRENT APPLICATION NUMBER: US/09/485,654
PRIOR EPLICATION NUMBER: 000-02-14
PRIOR APPLICATION NUMBER: 60,056,164
PRIOR APPLICATION NUMBER: 60,056,164
PRIOR APPLICATION NUMBER: 60,056,164
PRIOR FILING DATE: 1997-08-19
WUMBER: OF SEQ ID NOS: 3
                                                                                                                                                                                                                                                                                               Length 6;
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                                                                                                                                                                                                                                                                                          100.0%; Score 35; DB 4; ; 100.0%; Pred. No. 2.56-05; iive 0; Mismatches 0:
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                                                                                                                                                                                                TOPOLOGY: linear SEQUENCE DESCRIPTION: SEQUENCE DESCRIPTION: SEQ 1D NC: 1:
TELECOMMUNICATION :NEORMATHON:
TELEPHONE: (303) 793-5333
TELEFAX: (303) 793-5433
TNFORMATION FOR SEC ID NO: 1:
SEQUENCE CHARACIERISHICS:
LENGTH: 6 amino acids
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// Patent No. 6586187
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Patent No. 6555321
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                                                                                                                                                TYPE: amino acid
STRANDEDNESS: single
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TYPE: PRT
ORGANISM: Artificial Sequence
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SCHTWARE: PatentIn version 3.1
                                                                                                                                                                                                                                                                                       Query Match
Hest Local Similarity 100.0
Matches 6; Conservative
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Best Local Similarity 100.
Matches 6, Conservative
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| GRGDTP 6
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IIS 29-548-697A-2
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US-09-445-653-1
                                                                                                                                                                                                                                          US-09-606-477-1
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Gaps
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                                         APPLICANT: Cheng, Scan
APPLICANT: Craig, William S.
APPLICANT: Transport William S.
TILE CF INVENTION: Methods and Composition for Treating
TITLE CF INVENTION: Thrombosis
NUMBER OF SECURISIONES: 168
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 9;
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                                                                                                                                                                                                                                                                                                                      E: Campbell and Flores
4370 La Jolla Village Drive, Suite 700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 35; DB 1; 1
100.0%; Pred. No. 2.5e+65;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CLASSIFICATION: 5:4
FRIOR APPLICATION DATA:
APPLICATION DATA:
FILLING DATE: 20-DEC-1993
APPLICATION NUMBER: US 08/U79.441
FILLING DATE: 18-JUN-1993
APPLICATION NUMBER: US 28/U59.441
FRIOR APPLICATION DATA:
APPLICATION NUMBER: US 38/O59.736i4
FILING DATE: 14-APR-1993
FILING DATE: 05-APR-1993
FILING DATE: 05-APR-1993
FILING DATE: 05-APR-1991
FILING DATE: 05-APR-1991
APPLICATION NUMBER: US 07/506,444
FILING DATE: 06-APR-1990
ATIONEY AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFRENCE/CDCKET NUMBER: P-LA 9829
TELECOMMUNICATION INPORMATION:
TELEPHONE: (619) 535-9601
INPORMATION FOR SEQ IS NO: 114:
SEQUENCE CHARACTERISTICS:
LENGTH: 9 amino acids
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        Pierschbacher, Michael D.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
REJUM TYPE: FLORDY disk
COMPUTER: IHM PC compatible
CHERATING SYSTEM: PC-DOS/MS-DOS
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: Putent No. 6395873
: GENERAL INFORMATION:
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Craig, William S.
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hes 6; Conservative
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CITY: San Diego
SIATE: California
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    APPLICANT:
APPLICANT:
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                                                                                                                                                                                                                                                                                                                      108.54; Score 35: 68-5; Length b:
100.03; Prod. No. 2.58+65;
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GENERAL INFORMATION
APPLICANT Joinersity of Connecticut
TITLE OF INFORMATION: Contraceptive Vaccing
NUMBER OF SEQUENCES: 46
CORRESPONDENCE ADDRESS: ADDRE
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. Sequence 114, Application US/08445745

. Patent No. 5472585

. GENERAL INFORMATION:
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DGS
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                                                                                                                                                                                                     ) OTHER INFORMATION: Synthetic
US-09-548-697A-2
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Best Local Similarity 100.
Matches 6: Conservative
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linear
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Matches 6/ Conservative
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MOLECULS TYPE: peptide
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STRANDEDNESS: sin
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LENGTH: 6
TYPE: PRT
ORGANISM: unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 GREETP 6
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PCT-US93-05540-45
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APPLICATION NUMBER: US/08/445.638
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Hest Local Similarity 100...
Hest Local 6: Conservative
 CURRENT APPLICATION DATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9 amino acids
                                                       CLASSIFICATION: 514
FRIOR APPLICATION DATA:
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE:
CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: amino acid
TOPCLOGY: circular
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STATE: California
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TSCCOPP, Juvig F. TILLE OF INVENTION: METHOD AND COMPOSITION FOR IRRATING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 114. Application US/UR445638
Patent No. 5521594
GENERAL INFORMATION:
APPLICANT: Prorschbachor, Michael D.
APPLICANT: Cheng, Scan
APPLICANT: Craig, William S.
APPLICANT: Trachopp, Juerg F.
TILLE OF INVENTION: Methods and Composition for Treating
TILLE OF INVENTION: Thrombosis
NUMBER OF SEQUENCES: 168
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 35: DB-4; Lenath 9: 160.0%; Pred: No. 2.56+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               C; Indels
                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 120
CORRESPONDENCE ADDRESS:
ADDRESSEE: CAMPBELL & FLORES, 11.18
STREET: 4370 La dolla Village Drive, Suite 700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Patentin Release #1.0, Version #1.25
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4370 La Jolla Village Drive, Suite 766
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LOCATION:
OTHER INFORMATION: /note- "Xad-Pmp"
SEQUENCE DESCRIPTION: SEQ ID NO: 92:
S-08-456-456-92
                                                                                                                                                                                                                                                                                                                                                                                      NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-1A 1537
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                                                                                                                                                                                                                                                                                                                                                                                                                                        TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-6949
INFORMATION FOR SEQ ID NO: 92:
SEQUENCE CHARACTERISTICS:
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                    THROMBOS18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 9 amino acids
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STRANDEDNESS: sinale
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                                                                                                                          CITY: San Diego
STATE: California
COUNTRY: USA
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Best Local Similarity 160.
Matches 6; Conservative
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MEDIUM TYPE: Floppy
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STATE: California
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2 GRGDTP 7
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STREET: 43
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S-08-445-638-114
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APPLICANT: Cheng, Soan
APPLICANT: Craig, William S.
APPLICANT: Trachopp, Junerg F.
TITLE CF INVENTION: Methods and Composition for Treating
TITLE CF INVENTION: Thrombosis
NUMBER OF SEQUENCES: 169
CORRESPONDENCE ADDRESS:
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STREET: 4370 La Jolla Village Drive, Suite 700
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100.0%; Pred. No. 2.5e+05;
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US-08-445-638-114
                                                                                                                            APPLICATION NUMBER: US 08/056,73614
FILING DATE: 14-APR-1993
PRIOR APPLICATION DAIA:
APPLICATION DAIA:
APPLICATION DAIA:
APPLICATION NUMBER: US 67/691,115
FILING DATE: 0-5-APR-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/506,444
FILING DATE: 06-APR-1990
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: 3-16,9529
TELECOMMUNICATION INFORMATION:
APPLICATION NUMBER: US 08/171,068
FILINS DATE: 20-DEC-1993
APPLICATION NUMBER: US 08/079,441
FILING DATE: 18-JUN-1993
PRICE APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US/08/445,745
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COMFUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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. Sequence 50, Application US/06445745
. Patent No. 5672585
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 114:
SEQUENCE CHARACIERISTICS:
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100.0%: Score 35: 0s.1: Lensth 10:
100.0%: Pred. No. 0.75:
tive 0: Mismatches 0: Didels
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Job time : 17 secs
FILLNG DATE: 18-JUN-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 32/050,73614
FILING DATE: 14-APR-1993
PRIOR AUPLICATION NUMBER: US 07/681,119
FILING DATE: 05-APR-1931
PRIOR APPLICATION NUMBER: US 07/681,119
FILING DATE: 05-APR-1931
APPLICATION NUMBER: US 07/506,444
FILING DATE: 06-ARR-1990
ATTORNEY/AGENT: 11PORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31.815
FREGISTRATION NUMBER: 31.815
FREGISTRATION NUMBER: 06-18, 0825
                                                                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER: F-1.A 982-
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9601
TELEFA: (619) 535-8949
INFORMATION FOR SEQ ID NO: 51:
SFOUNCE CHARACTERISTICS:
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Matches 6: Conservative
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TOPOLOGY: circular
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3 GRGDIP 8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
APPLICANT: Pierschbacher, Michael D.
APPLICANT: Cheng. Scan
APPLICANT: Cheng. Scan
APPLICANT: Cheng. Milliam S.
APPLICANT: Tschopp, Juerg F.
TITLE OF INVENTION: Methods and Composition for Treating
TITLE OF INVENTION: Thrombosis
NUMBER OF SEQUENCES: 168
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM PC COMPALITIO
OPERATING SYSIEM: PC-DGS/MS-DGS
SOFTWARE: Patentin Release #1.6, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE: Campbell and Flores
STREET: 4370 La Jolla Village Drive, Suite 730
CITY: San Diego
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; OTHER INFORMATION: /note: "Xaa + (Pen)" US-08-445-745-56
                                                                                                                                             APPLICATION NUMBER: US 08/050,73614
FILING DAIB: 14-APR 1993
APPLICATION DAID:
APPLICATION DAID:
APPLICATION NUMBER: US 07/681.119
FILING DATE: 05-APR-1991
PR.OR APPLICATION DAIA:
APPLICATION NUMBER: US 07/506,444
FILING DATE: 06-APR-1990
ATTORNEY/AGBNT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                       NAME: Campbell, Cathryn A.
REGISTRATION WINBER: 31,815
REBENCE/COCKT NUMBER: P-1A 9429
TELEPHONE: (619) 545-9661
TELEPHONE: (619) 545-9661
TELEPHONE: SEGID NO: 50:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/171,068
FILING DATE: 20-DEC-1993
APPLICATION NUMBER: US 08/079,441
                                                     FILING DATE: 20-DEC-1993
APPLICATION NUMBER: US 08/079,441
PILING DATE: 18-7UN-1993
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/445,745
                                  US 06/171,068
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   : Sequence 51, Application US/08445745; Patent No. 5672595
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGIH: 10 amino acids TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 100.
Matches 5; Conservative
         PRIOR APPLICATION DATA
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CLASSIFICATION: 514
                               APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY: Poptide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-445-745-51
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Sequence 13, Appli
Sequence 13, Appli
Sequence 11, Appli
Sequence 14, Appli
Sequence 18, Appli
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Seguence 1, App.1
Seguence 28, App.
Seguence 46, App.
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GenGore version 5.1.6
Copyright (c) 1893 - 2003 Compuden Ltd.
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US-10-007-270-33
US-10-007-270-33
US-10-193-764-41
US-10-193-764-39
US-10-156-761-13265
US-09-837-966A-28
US-09-837-966A-46
US-09-837-966A-46
US-09-887-966-15
US-09-887-966-15
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US-09-177-843-1
US-09-841-321A-26
US-09-841-321A-46
US-09-871-574-3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SUMMARTES
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Maximum Match 100%
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length: 2600000000
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Perfect score:
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Maximum DB :
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                                                                                                                                                                                                                                                                                                                    Sednence:
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ALIGNMENTS

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OTHER INFORMATION: Description of Artificial Sequence, No. US20036157712Ale OTHER INFORMATION: synthetic construct
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                                           Sequence 1, Application US/10420029

Publication No. US20030157712A1
GENERAL INCORMATION:
APPLICANT: Daniel, Thomas C.
APPLICANT: Stein, Elke
APPLICANT: Stein, Elke
TITLE OF INVENTION: Methods for Determining Cell Responses;
TITLE OF INVENTION: Through EphH Receptors
FILE REFERENCE: 22000.006502
CURRENT APPLICATION NUMBER: US/10/420.029
CURRENT FILING DAIE: 2003-04-17
PRIOR RILING DAIE: 2000-02-14
PRIOR APPLICATION NUMBER: PCI/US98/17157
PRIOR PLING DAIE: 1998-08-19
PRIOR FILING DAIE: 1998-08-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 35; DB 12; Length 6; 100.0%; Pred. No. 5e+05;
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Matches 6; Conservative
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                             8-10-420-029-1
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RESULT 1
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JENERAL INFORMATION:
APPLICANT: Yang, Yan-Fing
APPLICANT: Yang, Yan-Fing
APPLICANT: Yang, Wan-Fing
APPLICANT: Klein, Michel H.
ITLE OF INVENTION: PROJECTIVE RECOMMINANT HABMOFHILDS INFIDENZAE HIGH
FILLE OF INVENTION: MOLECULAR WEIGHT PROJEINS
FILL REPERENCE: 1038-12399MS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 35; DB 12; Tength 1005; 100.0%; Pred, No. 1.40+62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 35; DB 15; Length 6; 100.0%; Pred; No. 5e+05; cive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                    REGIGTRATION NUMBER: 33,215
REFERENCE/DOCKET NUMBER: NEXTS/C-CON
TELEPHONE: (303) 793-3333
TELEPAX: (303) 793-3433
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mismatches
                                                                                                                                                                                                                                             FILING DATE: SEPTEMBER 17, 1993
APPLICATION NUMBER: 08/199,507
FILING DATE: FEBRUARY 22, 1994
                    APPLICATION TO 1991 FILLING DATE: JUNE 10, 1991 FILLING DATE: JUNHER: 07/536,428
                                                                                                                                                                            FILING DATE: SEPTEMBER 8, 1993
APPLICATION NUMBER: 08/123,935
                                                                           APPLICATION NUMBER: 07/536,428 FILING DATE: JUNE 11, 1990 APPLICATION NUMBER: 08/117,991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE DESCRIPTION: SEQ ID NO: 1: US:10-263-456-1
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TLIANG DATE: 2002-07-12
PHIOR APPLICATION NUMBER: 08/167,568
PRIOR FILING DATE: 1998-10 07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-193-764-41
Sequence 41, Application US/10193764
Publication No. US20030133943A1
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Sequence 39, Application US/10193764
Publication No. US20036133943A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                   NAME: Barry J. Swanson
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TYPE: PRI
ORGANISM: Haemophilus influenzae
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SIRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: linear
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Best Local Similarity 100.
Matches 6; Conservative
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SCHIWARE: Patentin Ver.
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Thes 6: Conserva
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                                                                                                                                                          APPLICANT: Hageman, Gregory S.
APPLICANT: Ruche, Markes H.
APPLICANT: Kuche, Markes H.
APPLICANT: University of lowe Research Foundation
APPLICANT: University of lowe Research Foundation
TILLE OF INVENTION: DISCRESSING AND THERAFEUTICS FOR COULAR ABNORMALITIES
FILE REFERENCE: 020618 60012018
FILE REFERENCE: 020618 60012018
FILE REPERENCE: 020618 60
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DARN SMITH
DARN P. KINSCHENHEUTER
GARY P. KINSCHENHEUTER
TITLE OF INVENTION: SYSTEMATIC EVALUATION OF LUGAMES BY
TITLE OF INVENTION: SYSTEMATIAL ENRICEMENT: RIENDEL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 35; DB 14; Length 6; 100.0%; Pred. No. 58+05;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OTHER INFORMATION: Description of Artificial Sequence: OTHER INFORMATION: RGD-containing peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSER: Swanson & Bratschup, 5.1.10.
STREET: 1745 Shea Center Drive, Suite 336
CITY: Highlands Ranch
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IRM pc compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: WordPerfect 8.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/265.456
FILING DATE: 02-001-2002
CLASSIFICATION: <a href="Onknown">UNKnown</a>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches
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APPLICATION NUMBER: US/09/606,477
FILING DATE: 29-Jun-2000
APPLICATION NUMBER: 08/956,699
FILING DATE: OCTOBER 23, 1997
APPLICATION NUMBER: 08/234,997
FILING DATE: APRIL 28, 1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: US 09/183,972
PRIOR FILING DATE: 1996-16-29
NUMBER OF SEQ 1D NOS: 77
SOFTWARE: Fatentin Ver. 2.1
SEQ 1D NO 33
LENGTH: 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SUMEDHA D. JAYASENA
LAKRY GOLD
                                                                    Sequence 33, Application US/16/07270 Publication No. 0520020160954A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 1, Application 05/10263456
Publication No. 052030037546A1
GENERAL INFORMATION:
APPLICANT: GRES HIBSECKER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Artificial Sequence
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ADDRESSER: Swanson
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Best Local Similarity 100.
Matches 6: Conservative
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                              US-10-007-270-33
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RESULT 2
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SEKERAL INFORMATION:

APPLICANT: Urry, Dan

TITLE OF INVENTION: Injectable implants For Dissue Argentation and Restoration

TITLE OF INVENTION: Injectable implants For Dissue Argentation and Restoration

TITLE OF INVENTION: UNMEST: US/09/637,963A

CURRENT APPLICATION NUMBER: US 69/256,723

PRIOR APPLICATION NUMBER: US 69/256,723

PRIOR APPLICATION NUMBER: US 60/067155

PRIOR APPLICATION NUMBER: US 60/067155

PRIOR APPLICATION NUMBER: US 60/067157

PRIOR APPLICATION NUMBER: US 60/067157

PRIOR APPLICATION NUMBER: US 60/076297

PRIOR FILING DATE: 1998-62-27

NUMBER OF SEQ ID NOS: 65

SOFTWARE: Patentin Version 3.0

SEC ID NO 46
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           election to
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 31; DB 9; Length 6;
Pred: No. 5e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                     Score 31; DA 9;
Pred. No. SetC5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1; Mismatches
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PRIOR FILLING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: US 60/087155
PRIOR FILLING DATE: 1998-05-29
PRIOR FILLING DATE: 1998-05-27
NUMBER OF SEQ ID NOS: 65
SOFTWARE: Patentin version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 46, Application US/09837969A Parent No. US20020038150A1
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. Patent No. US20020068304A1
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                                                                                                                                                                                                                           TYPE: PRT
GRCANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                          88.6%;
83.4%;
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CTHER INFORMATION: Synthetic
US-09-937-969A-46
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IS-09-837-969A-28
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Host Local Similarity 83.35,
Host Local Si Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sest Local Similarity 83.4
Matches 5; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       : GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                       NAME/KEY: PEPTIDE
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                                                                                                                                                                                                                                                                                                                                                                                                                             Ouery Match
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                                                TITLE OF INVENTION: PROTECTIVE RECOMBINANT HAEMOPHILUS INFLUENZA: HIGH MILECULAR WEIGHT: PROTECINS FILE OF INVENTION: MCLECULAR WEIGHT: PROTECINS FILE OF INVENTION: MCLECULAR WEIGHT: PROTECINS CURRENT APPLICATION NUMBER: US/16/193,764 CURRENT FILING DATE: 2002-07-12 PRIOR PRILING DATE: 1999-10-07 NUMBER OF SEQ ID NOS: 91 SOFTWARE: PREGRATE: 1999-10-07 NUMBER OF SEQ ID NOS: 91 SOFTWARE: PREGRATIN VET. 2.1
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100.5%; Prod. No. 1.4e+62;
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APPLICANT: IKEDA. HARUD
APPLICANT: ISHIKAWA, JUN
APPLICANT: ISHIKAWA, JUN
APPLICANT: HARKAWA, JUN
APPLICANT: SHIRA, TADAYOSHI
APPLICANT: SHIRA, TADAYOSHI
APPLICANT: SAKAKI, YOSHITYKI
APPLICANT: SAKAKI, YOSHITYKI
APPLICANT: HATORI: MASAH'RA,
ITILE OF INVENTION: NOVEL POLYNUCLEOTIDES
FILE REFERRNCE: 249-262
CURRENT APPLICATION NUMBER: US/10/156,761
CURRENT FILLING DATE: 2001-05-29
PRIOR PELLING DATE: 2001-05-39
PRIOR FILLING DATE: 2001-06-02
NUMBER OF SEQ ID NOS: 15109
SEQ ID NO 12265
LENGTH: 1517
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        U; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 13265, Application US/10156761
Publication No. US20030119018A1
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                : TYPE: PRT
: ORGANISM: Streptomyces avermitilis
US-10-156-761-13265
                                                                                                                                                                                                                                                                                                                       TYPE: PRT
ORGANISM: Haemophilys influenzae
                                                                                                                                                                                                                                                                                                                                                                                              Ouery Match
Best Local Similarity 100...
See 6: Consecvative
     APPLICANT: Yang, Yan-Ping
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| 1512 GKGDTP 1517
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                                                                                                                                                                                                                                                                                                1011
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                                 APPLICANT:
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Sequence 1. Application US/59961834
GENERAL NO. US20020081726A.
GENERAL INFORMATION:
FATEL OF INVENTION:
TILL OF INVENTION: MICROFABRICATION OF MEMBRANES FOR THE GROWTH OF CELLS
FILE REFERENCE: 27611/37761
GURRENT APPLICATION NUMBER: US/09/961,834
CURRENT APPLICATION NUMBER: US/09/961,834
PRIOR FILING DATE: 2001-09-25
NUMBER OF SEQ ID NOS: 6
SOFTWARE: PATENTIN VERSION 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 11 Application US/09364557A
Patent No. 3520020163330A1
PATENT NO. 3520020163330A1
APPLICANT: Reciabili, Erki,
APPLICANT: Kolvunen, Erki,
APPLICANT: Kolvunen, Erki,
APPLICANT: MOUNERTON, NO. US20020103330A10: intermin-Binding Periides
NUMBER OF SEQUENCES: 46
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 6; Indels
                                                                                                                                                                                                                                                                                                     Score 31; DB 9; Lenath 6;
Pred, No. 5e+05;
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83.3%; Pred. No. Se-55;
ative 1: Mismatches 6: Indels
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STREET: 4370 La Jolla Village Drive, Smite 700
                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                : ORGANISM: Fibronectin liquid receptor US-09-961-834-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
              PRIOR APPLICATION NUMBER: 60/213/3/44 PRIOR FILING DATE: 2000-66/23 NUMBER OF SEQ 1D NOS: 63 SOTTWARE: Patentin version 3.0 SEQ 1D NO 15
2001-66-21
                                                                                                                                                                                                                                                                                                       88.68;
                                                                                                                                                            ORGANISM: Artificial sequence
                                                                                                                                                                                                                      ) LOCATION: (1)..(6)
) OTHER INFORMATION: Synthetic
US-09-888-260-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ouery Match
Best Local Similarity 83.3°
Matches 5: Conservative
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STATE: California
COUNTRY: USA
CURRENT FILING DATE:
                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                      1 GRGDTP 6
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1 GRGDSP 6
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US-09-364-597A-21
                                                                                                                                             PRT
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                                                                                                                                                                                   FEATURE
                                                                                                                       LENGTH:
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Gaps
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BACTERIAL INFECTION OF SUPPRES AND
PROSTHETIC DEVICES. AND PROMOTING
PROSTHETIC DEVICES. AND PROMOTING
PROSTHETIC DEVICES. AND PROMOTING
PROSTHETICS OF LEGGOCYTES INTO TOMOR
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SYSTEM: PC-DOS/MS-DOS
PatentIn Release #1.0, Werslon #1.00
Patentin Release #1.0, Version #1.25
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1; Mismatches
           CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/364,597A
FIGURSTRICATION 1999
CLASSTRICATION 1514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 28/156,651
FILING DATE: 24-NOV-1993
FRICH APPLICATION DATA:
APPLICATION NUMBER: US 68/286,861
APPLICATION NUMBER: US 68/286,861
                                                                                                                                                                                 PARTICALION NUMBER: US C8/286,861
FILNG DATE: 04-AUG-1954
ATTORNEY/AGENT :NFORMATION:
NAME: Campbell, Cathryn
REGISTRATION NUMBER: 31,815
REFERENCE/POCKET NUMBER: P-LA 3419
TELECHONE: ($58) 535-9001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE: Cooper & Dunham LIP
STREET: 1185 Avenue of the Americas
CITY: New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CUSTENT APPLICATION DATA:
APPLICATION NUMBER: 05/09/177,843
FILING DATE: APT11 22, 1997
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 1, Application US/09177843
Patent No. US20020114804A1
GENERAL INFORMATION:
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NAME: White, John P
REGISTRATION NUMBER: 28,678
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  E: Floppy disk
IBM PC compatible
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83.3%;
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INFORMATION FOR SEQ ID NO: 1:
                                                                                                                                                                                                                                                                                                                                                TELEFAX. (858) 535-8949
INFORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACIERISTICS:
LENGTH: 6 amino acids
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Hest Local Similarity 83.7%.
Fires 5; Conservative
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LENGTH: 6 amino acids
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TITE OF INVENTION: BAC
TITE OF INVENTION: ING
TITE OF INVENTION: FOC
NUMBER OF SEQUENCES: 2
CORRESSIONDENCE ADDRESS:
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MEDIUM TYPE: Floppy
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  amino acid
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1 GRGDSP 6
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SCFTWARE:
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US-09-841-321A-46
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    LENCIH: 6
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US-09-841-321A-28
US-09-841-321A-28
Sequence 28. Application US/03841321A
Sequence 28. Application US/03841321A
Settle No. US20020116089A1
SETTLE OF INVORMATION:
TILLE OF INVENTION: Unjointable Implants For Tissue Asymmetrication on Bestevalue.
FILE REFERENCE: BEST-020/0408
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APPLICANT: JETY, Dan.

TILLE OF INVENTION: Injectable Implants For Tissue Augmentation and Restoration.

TILLE OF INVENTION: Injectable Implants For Tissue Augmentation and Restoration.

TILLE OF INVENTION: INFO TO SERVICE OF TISSUE AUGMENTATION AND THE RESTORATION WINDER: US 409/441,321A

CURRENT PILING DATE: 2001-04-30

PRIOR PILING DATE: 1999-02-26

PRIOR PILING DATE: 1999-02-26

PRIOR APPLICATION NUMBER: US 60/037155

PRIOR APPLICATION NUMBER: US 60/0376297

PRIOR APPLICATION NUMBER: US 60/0376297

PRIOR PILING DATE: 1998-02-27

NUMBER OF SED ID NOS: 65

SOFTWARE: PARCELLE VOISION 3.0
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Pred. No. Se-105:
1: Mismatches 6: 184003
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Pred. No. 50-05;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            File Kepfrenci Brad-Vecy-Vecy
CURRENT PEDIGON NUMBER: US-7/9/841,32:A
CURRENT FILING DATE: 2001-04-40
PRIOR APPLICATION NUMBER: US-3/256.723
PRIOR FILING DATE: 1999-02-26
PRIOR FILING DATE: 1999-05-29
PRIOR FILING DATE: 1998-05-29
PRIOR FILING DATE: 1998-05-27
NUMBER OF SEQ ID NOS: 65
SOFTWARE: Patentin version 3.0
SOFTWARE: Patentin version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 46, Application US/09841321A
Patent No. US20020116069A1
                                                                                                                                                              88.6%;
a3.3%;
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OTHER INFORMATION: Synthetic
                                                                                                                                           Query Match
Bost Local Similarity 35.5
Not 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Guery Match 88.6
Hest Local Similarity 83.3
Matches 5: Conservative
             STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: poptide
HYPOTHETICAL: NO
TYPE: amino acid
                                                                                                                                                                                                                                               1 GRGDTP 6
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1 GRGDSP 6
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| GRGDSP 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: PEPTIDE
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                                                                              HYPOTHETICAL: N
ANT1-SENSE: NO
US-09-177-843-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-841-321A-28
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APPLICANT: FLATEL, MAINARATERIAN APPLICANT: APPLICANT: TAKEDLE, MICHAEL F. APPLICANT: TWEEDLE, OWNORNING: APPLICANT: MANDAPPAN, PALANIAFVA APPLICANT: RAJU, NATARAJAN (COMPOUNDS FOR TARESPING ENGORNION: COMPOUNDS FOR TARESPING ENGORNION: CONTAINING THE SAME AND METHOLS, FOR THEIR USE FILE REFERENCE: 2236-7

CORRENT APPLICATION NUMBER: C200-06-64

PRIOR APPLICATION NUMBER: Q5/5/64, 5/4

PRIOR APPLICATION NUMBER: Q5/5/63, 5/6

NUMBER OF SEQ ID NOS: 13

SOFTWARE: PALENTING PATE: 200-06-22

NUMBER OF SEQ ID NOS: 13

SOFTWARE: PALENTING DATE: 200-06-32
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CTHER INFORMATION: Description of Artificial Sequence: Synthetic CS:09-871-974-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                            88.6%; Score 31; DB 10; Longth 5; 83.3%; Prod. No. 5e+65; 0: Indels tive 1: Mismatches 0: Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 31; DB 10; Length 6;
Pred. No. 5e+05;
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                                                                                                                                                                                                                                                                                                                                                                                                                       US/09871974
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AFPLICANT: VON WRONSKI, MATHEW A. A. PEPLICANT: MARINELL: BONDUD R. APFLICANT: NONN, MARIAN D. APPLICANT: PILLAI, RADSHAKRISHNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        88.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRI
ORGANISM: Artificial Sequence
TYPE: PRI
ORGANISM: Artificial Sequence
                                                                                       LOCATION: (1)..(6)
OTHER INFORMATION: Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Guery Match
Best Local Similarity 83.37
5: Conservative
                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                       sequence 3. Application US patient No. US20020147136A1
                                                                                                                                                        Coery Match
Hest Local Similarity
Enc. 5, Conserve
                                                                                                                                                                                                                                                                                           : GRGDIP 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GRCDSP 6
                                                                                                                                                                                                                                                               1 GRGDTP 6
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                                              FEATURE:
NAME/KEY: PEPTIDE
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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OM protein - protein search, using sw model

7 , Search time 15 Seconds (Without alignments) 34.467 Million cell applatos/sec September 16, 2003, 18:15:07 Run on:

US-09-780-612A-1 35 Title: Perfect score:

GRGDIP 6 Seguence:

Gapop 10.0 , Gapext 0.5 HI/OSDM62 Scoring table:

283308 segs, 55168682 residues Scarched:

26 (308) Total number of hits satisfying chosen parameters:

Minimum DB seq length: 2 Maximum DB seq length: 2000000000

Maximum Match 100% Listing first 45 summaries Minimum Match 63 Post-processing:

\$18_76:* Database :

piri:

Prod. No. is the number of results predicted by charce to laye a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

		æ			SUMMARIES	
Result. No.	Score	Query Match	Length	G	11°	Description
	35	100.0	370		827344	inck protein and
2	35	100.0	450	2	087342	drug rusis
m	3.5	160.0	1307	.7	T30867	146D nuclear prote
4	32	91.4	256	,-	\$18159	ribosomal protein
5	32	9. 4	458	7	T02571	_
9	32	94	606	7	AC2508	hypotherical prote
7	32	6	1226	~	544824	F54F2.1 protein -
8	31		273	~	A28512	fibronectin - chic
6	31		558	7	384270	hypothetical prote
10	31	88.6	425	-	S48469	probable membrane
11	31	88.6	438	~	B82042	osmolarity sensor
12	31	98.6		~	E84264	isochorismate synt
13	31	98.6		~	S74845	:1dD homolog sir08
14	31	88.6		:\1	A99675	probable oxidoredu
15	37	98.6		7	D85525	probable oxidored:
16	3.5	88.6		7	123190	hypothetical prote
17	£	88.6		C)	T45933	. w.
œ ,	31	89. A.		c¥	A29355	•
6 T	3.1	88.6		-	FNBC	fibromectin - bovi
20	31	88.5		-	FNHC	fibronectin precur
21	31	88.5		esi.	S14428	fibromectin precur
22	31	88.8		۲۷	A43908	tibronectin - Afri
23	30	25.7		^;	F84258	hypotherical prote
24	30	85.7		(7	AD3256	
25	30	85.7		:>1	C55213	rib3 protein Shi
26	30	85.7		:71	A75477	cysteine synthase
27	30	85.7		-	KHROB	Cathepsin B (EC 3.
28	30	85.7		-	KHHUB	В
29	30	85.7	333	-	княтв	cathepsin B (EC 3.

85.7 4 54.9 2 8 85.7 7 860.2 2 8 85.7 7 860.2 2 8 85.7 7 860.2 2 8 85.7 7 850.2 2 8 82.9 9 113.2 2 8 82.9 9 22.5 2 8 82.9 9 22.5 2 8 82.9 9 22.5 2 8 82.9 9 22.5 2 8 82.9 9 22.5 2 8 82.9 9 22.5 2 8 82.9 9 22.5 2 8 82.9 9 22.5 2 2 8 82.9 9 22.5 2 2 8 82.9 9 22.5 2 2 8 82.9 9 22.5 2 2 8 82.9 9 22.5 2 2 8 82.9 9 22.5 2 2 8 82.9 9 22.5 2 2 8 82.9 9 22.5 2 2 8 82.9 9 22.5 2 2 8 82.9 9 22.5 2 2 8 82.9 9 22.5 2 2 8 82.9 9 22.5 2 2 8 82.9 9 22.5 2 2 8 82.9 9 22.5 2 2 8 82.9 9 22.5 2 2 8 82.9 9 22.5 2 2 8 82.9 9 2 8 82.9 9 22.5 2 2 8 82.9 9 2 82.9	hypothetical profe	hypothetical prote	nicotinic acetylch	virulence-associat	L-aspartate oxidas	dnaK-type molecula	GMC oxidoreductase	probable transposo	EPF autoantibody-r	probable bacteriop	hypothetical prote	6,7-dimethyl-8-rib	sigma-E factor req	sigma-E factor, ne	sigma-E factor neg
85.7 454 85.7 454 85.7 85.7 758 85.7 758 85.7 728 85.7 728 85.7 728 82.9 82.9 82.9 82.9 82.9 82.9 82.9 82	716173	E87554	A24572	A82596	T36393	S18349	H75608	F86403	A4.2856	AB0736	F71446	H85978	F91058	D8590 v	B57255
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		85.7	85.7	85.7	85.7	85.7	85.7	85.7	82.9	82.8	82.9	82.9	82.9	82.9	82.9
	o do					_	0	0	o.	6	5	5	5	J.	S)

ALIGNMENTS

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high protein - Rhizobium leguminosarum
Cispecies: Rhizobium leguminosarum
Cistario 25-04-1994 #sequence_rovision 01-ben-1995 #text_change 08-0ct-1999
Cistario 25-04-1994 #sequence_rovision 01-ben-1995 #text_change 08-0ct-1999
Cistario: 27344 #sequence of cistario 2734 #sequence and ordanization of an H(2)-uptake gene cluster from Rhi
Alfitie: Nucleotide sequence and ordanization of an H(2)-uptake gene cluster from Rhi
Alfitie: Nucleotide sequence and ordanization of an H(2)-uptake gene cluster from Rhi
Alfitie: Nucleotide sequence and ordanization of an H(2)-uptake gene cluster from Rhi
Alfities prollminary
Alfities prollminary
Alfities (1970 < RH)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 35; DB Z; Rength, 370; 100.0%; Pred. No. 16;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
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Hest Local Similarity
6: Conserv
RESULT 1
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1 GRGDIP 6 â Š

RESULT 2

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multidrug resistance protein, probable (imported) - Caulobauter crescentus C;Species: Caulobacter crescentus C;Date: 20-Apr-2001 #sequence_revision 20-Apr-2001 #text_change 20-Apr-2001 C;Accession: D87342

Cyncession B87342

Endelburg, M.C.; Feldblyum, T.V.; Paulsen, I.T.; Nelson, K.E.; Eisen, J.; Heidelberg, B.; Netman, W.C.; Feldblyum, T.V.; Paulsen, I.T.; Nelson, K.E.; Eisen, J.; Heidelberg, B.; Laub, M.T.; DeBooy, K.T.; Dobson, R.J.; Durkin, A.S.; Gwinn, M.L.; Haft, D.H.; Kf. D.; Ermolaeva, M.; White, O.; Salzberg, S.L.; Shapiro, L.; Venter, J.C.; Fraser, C. Proc. Natl. Acad. Sci. U.S.A. 98, 4136-4141, 2001

A.Title: Complete Genome Sequence of Caulobacter crescentus.

A.Reference number: A67249; MUD:21173698; PMID:11259647

A.Status; preliminary

A; Molecule type: DNA

A.Residues: 1-450 <STO> A.Crositues: 1-450 <STO> A.Crossrreferences: GB:AE005673; NID:q13421986; PTDN:AAK22736.1; GSPDB:GN00148 C:Genetics: A:Gene: CC0751

Occy Match Rest Locai Similarity Tuu. Rest Locai Si Conservative 1 GRGDTP 6 ें

220 GRGDTP 225

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Gaps

0;

1::dels

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100.0%; Score 35: D5 2: 100.0%; Pred. No. 13; iive 0; Mismatches 0

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        M.; Yasuda, M.; Tabata
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Strameko, I.; Nakamura, Y.; Wolk, G.P.; Kuritz, I.; Sasamoto, S.; Watanabe, A.; Iriquakazaki, N.; Shimpo, S.; Sugimoto, M.; Takuzawa, M.; Yamada, M.; Yasuda, M.; Tabata DNA Res. 6, 205-213, 2001
ANTILE: Complete Genomic Sequence of the Filamentous Nitrogen-lixing Cyanobacterium A.Reference number: Ab1807; MUID:21595235; PMID:11759440
                             E:Kounsloy, S.D.; Kaul, S.; Lin, X.; Ketchum, K.A.; Grosty, M.L.; Brandon, R.C.; submitted to the EMBL Data Library, Audust 1998
Allescription: Arabidopsis thalland chromosome II HAC TibB24 genomic sequence.
A:Reference number: 214679
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CjSpecies: Nostoc sp. PCC 7120
A;Note: Nostoc sp. strain PCC 7120 is a synonym of Anabauna sp. strain PCC 7120
CjEptc: 14-Dec-2001 *sequence_revision 14-Dec-2001 #text_change 09-Dec-2002
CjAccession: AC2508
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
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ArExperimental source: strain PGC 7120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A; Cross-references: GB:AE002093; NID:q3402676; F;EN:AAC23979.1; GSPDB:GN00139
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         C:Species: Caenorhabditis elegans
C:Date: 14-Sep-1994 #sequence_revision 12-May-1995 #text_change 23-Mar-2001
C:Accession: S44824
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
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Pred. No. 76,
1, Mismatches 0, Indels
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Pred. No. 57;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1; Mismatches
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                                                                                                                                                                                   A:Status: translated from GB/EMBL/DDEJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        91.48;
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Matches 5; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A: Introns: 67/3; 221/3; 374/3
C. Accession: T02571; G84815
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A:Gene: T16B24.5; At2939310
A:Map position: 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        214 GKGDTP 219
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Rest Local Similarity
Matches 5: Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A; Molecule type: DNA
A; Residues: 1-458 <STO>
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A:Residues: 1-606 <KUR>
                                                                                                                                                                                                                                                     A:Residues: 1-458 <ROU>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   : GRGDTP 6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A;Status: preliminary
                                                                                                                                                                                                                    A:Mojecule type: DNA
                                                                                                                                                               A:Accession: T0257
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Tibosomal protein L7a. cytosolic - chicken
C;Species: Gallus Gallus (chicken)
C;Species: Gallus Gallus (chicken)
C;Date: 30-Jun-1993 #seaguence_revision 30-Jun-1993 #text_charge 22-Jun-1999
C;Accession: A46632, 150415, S18159
R;Colombo, P.; Yon, J.; Garson, K.; Fried, M.
R;Colombo, P.; Yon, J.; Garson, K.; Fried, M.
R;Colombo, P.; Yon, J.; Garson, K.; Fried, M.
A;Title: Conservation of the organization of five tightly clustered acres over h80 fills
A;Reference number: A46032; MULD:92335297; PMID:163133
                                                                                                                                                                                                                                                                                                                     Po-ichal
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A;Note: sequence extracted from NCB1 backbone (NCBLF:10873)
R;Maeda, N.; Kermochi, N.; Tanaka, T.
Biochimie 75, 785-790, 1993
A;Title: The complete nucleotide sequence of chicken ribosomal protein 174 sene and 186
A;Roference number: 150416; MUID:94100270; PMID:8274530
                                                                                                                                                                                                                                                  Rischmidt-Zachmann, M.S.; Knecht, S.; Kraemer, A.
Mol. Biol. Ceil 9, 143-160, 1998
A;Title: Molecular characterization of a novel, widespread nuclear protein that
                                                                                                                                                                                                                                                                                                                                                                                                                                         A:Molecule type: mRNA
A;Residues: 1-1367 <SCH>
A;Cross-references: EMBL:Y08997; NID:92791835; PiDN:CAA76201.1; PID:3273;896
                                                                                                                       146D nuclear protein - African clawed frog
Cyspecies: Xenopus Laevis (African clawed froq)
Cybate: 22-Oct.1899 #sequence_revision 22-Oct.1999 #text_change 21-Jul--2000
CyAccession: T30887
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gars
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A:Molecule type: mRNA; DNA
A:Residues: 1-266 <COL>
A:Cross-references: EMBL:X62640; NID:96377; PIDN:CAA44506.1; PID:563778
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A:Cross-reforences: GB:D14522; NID:e457653; FILN:BAA04305.1: FIE:d6038+4
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0: Mismatches

40:

100.0%; Score 35; 100.0%; Pred. No.

Overy Match Best Local Similarity 100... For the 6: Conservative

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DS 2; Length 1307;

A;Reference numbor: 220921; MUID:58099695; PMID:9436997 A;Accession: T30887

A:Status: preliminary, translated from GB/EMBL/EDBJ

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probable myrosinase-binding protein (imported) - Arabidopsis thalisna
N:Alternate names: hypothetical protein T16824.5
C:Species: Arabidopsis thaliana (mouse-ear cress)
C:Date: 05-Mar-1999 #sequence_revision 05-Mar-1999 #text_change 16-Fcb-2001
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EB 1: Length 266;

Score 32, EB] Pred. No. 32; 1: Mismatches

92.4%;

Query Match Best Local Similarity 83.3 Matches 5: Conservative

124 GKGDTP 129

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RESULT 5

1 GRSDTP 6

Ajintrons: 1/3; 42/1; 92/1; 139/1; 165/3; 259/2; 232/3 C;Superfamily: rat ribosomal protein 17a

A;Gene: surf-3/Rp:7a

A)Status: translated from GR/DMB1/COBJ A:Molecule type: CNA A;Residues: 1-256 <MAE>

A; Accession: 150416

C; Keywords: protein blosynthesis; ribosome

Dength 1028

#1.4%: Smore 32: 10 2: Jength :...x #1.4%: Frog. No. 1.6e-32; #1.3%: Frog. No. 1.6e-32;

Query Match Best Local Similarity #3.3 Matches 5, Conservative

::1111 519 GKGDIP 524

1 GRGDTP 6

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C:Keywords: cytoskeleton: transmembrane protein

C;Genetics:

Astatus: preliminary AsMolecule type: DNA AsResiducs: 1-1226 <AND> AsCross-references: EMHL:L23645; NID:q388603; FID:q388605

submitted to the EMBL Data Library, September 1993. A:Description: Sequence of the C. elegans cosmid F54F2. A;Reference number: S44827. A;Accession: S44824.

R; Anderson, K.

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Osmodarity sensor protein Env2 VC2713 [imported] - Vibrio cholcrae (strain N1695] se C.Species: Vibrio cholerae (strain N1695] se C.Species: Vibrio cholerae (strain N1695) se C.Bate 18 Aug-2000 #sequence_revision 20-Aug-2000 #text_charge 02-Feb-2001 C.Bacession: BR2042 R:Heidelberg, J.F.; Elsen, J.A.; Nelson, W.C.; Clayton, R.A.; Gwinn, M.L.; Dodson, R. Heidelberg, J.F.; Enmolaeva, M.D.; Vanathevan, J.; Rass, S.; Qin, H.; Dragol, I.; Seller: N. R. R.; Mekalanos, J.J.; Venter, J.C.; Fraser, C.M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A:Residues: [1438 <BEI>
A:Cross-references: GB:AE004337; GB:AE003852; NID:99657507; FIUN:AAF95853.1; GSP58:G
A:Experimental source: serogroup Ol; strain NI6961; biotype El Tor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NIT: (d. 6.243) | PID: (q. 76.4243) | GSPDB: GN00609.
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A;Accession: B82042
A;Accession: B82042
A;Molecule type: DNA
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Charlei Libsep: 1999 #sequenco_revision io-Sup-1999 #Lext_change 19-Apr-2002
Charcession: S48459
K:Howman, S., Churcher, C.
Aukeman, S., Churcher, C.
Aukemitted to the BMBL Data Library, Sept.-mbcr 1994
A.Reference number: S48455
A.Accession: S48469
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A.Map Position: 9L
C.Superfamily: Archaeoglobus tuididus conserved hypothetical protein AF1863
C.Keywords: transmembrane protein
T.155-17;/Jomain: transmembrane *status predicted <TM1>
E.534-356/Jomain: transmembrane *status predicted <TM2>
                                                                                                                                                     Gaps
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                                                                                      Length 399;
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85;
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Pred. No. 88:
1: Mismatches
                                                                                          5:
                                                                                          80 S
                                                                                                                                                 Mismatches
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Pred. No. 8
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A.Cross-references: GB:247047; EMBL:Z48:25;
                                                                                          Score 31;
Pred. No.
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                                                                                      88.68;
83.38;
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nilarity 83.3%;
Conservative
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A; Cross: references: SGD:SC001365
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Best Local Similarity 83.37
Frac 5: Conservative
                                                                                Query Match
Best Local Similarity 83.3
Matches 5; Conservative
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                                                                                                                                                                                                                                                                 287 GRGETP 292
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Best Local Similarity
Matches 5; Conserv
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A:Map position: 1
                               A; Gene: VNG1149C
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CoGenetics
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Cispedies: Halobucterrum sp. NRC-1
Cispedies: Halobucterrum sp. NRC-1
Cispedies: Halobucterrum sp. NRC-1
Cispedies: O-Feb-2001 #sequence_revision 32-Feb-2001 #text_change 92 Feb-2001
CiAccession: 684270
R:NG, W.V.; Kenncdy, S.P.; Mahairas, G.G.; Berquist, B.; Pan, N.; Shukla, H.D.; Lasky, S.
F. Leithauser, B.; Keller, K.; Cruz, R.; Danson, M.J.; Bough, D.W.; Naddocks, D.D.; Jable
Jung, K.H.; Alam, M.; Ettas, T.
Proc. Natl. Acad. Sci. U.S.A. 97, 12176-12181, 2000
A:Authors: Hou, S.; Daniels, C.J.; Dennis, E.P.; Omer, A.D.; Ebhardt, H.; Lowe, T.M.; Li
A:Titler Genome sequence of Halobacterium species NRC-1.
A:Reference number: A84166; MUID:20504469; PMID:11016550
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Aintrons: 90/1; 129/1: 184/1: 236/1
C:Superfamily: fibroncetin: fibronectin type I repeat homology; fibronactin type II repe
C:Superfamily: fibroncetin: fibronectin type II repeat homology (fragment) <FN31>
F:1-87/Domain: fibroncetin type III repeat homology (fragment) <FN31>
F:90-172/Domain: fibroncetin type III repeat homology <FN33>
F:167-169/Region: cell attachment (R-G-D) motif
F:184-266/Domain: fibronectin type III repeat homology <FN3K>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A:Molecule type: DNA
A;Residues: 1-273 «KUS-
A;Residues: 1-273 «KUS-
A;Rote: the authors translated the codon CCG for residue 190 as Gla, CAG for residue 24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Rikūbomura, S.; Cbara, M.; Karasaki, Y.; Taniquichi, H.; Gotth, S.; Tsuda, T.; Bibashi, Biochim. Biophys. Acta 910, 171-181, 1987.
Affille Genelic analysis of the coll binding domain region of the clarken conversion Affectace number: AZ8512: MUID:88050950; PMID:2823899.
A;Accession: A28512.
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                                                                                                                                                                                                                                                                                          A;Introns: 58/2; 137/3; 179/1; 316/2; 393/1; 551/3; 597/2; 662/2; 559/3; 1178/4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              fibronectin - chicken (frammet)
Cispecies: Gallus quallus (chicken)
Cibte: 31-Dec.1388 4sequence_revision si-Dec-1968 #taxt_ciming/ 20-Acession: A28512
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Dength 273;

88.6%; Score 31; DB 2; 83.3%; Pred. No. 53;

Query Match
Best Local Similarity 83.8
Matches 5: Conservative

166 GRGDSP 171

RESULT 9

1 GRGDTP 6

ठे 23 A; Residues: 1-399 <STO>

A:Status: preliminary A:Molecule type: DNA

1; Mismatches

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C.Species: Escherichia coli
C.Date: 16-Feb-2001 #sequence_revision 16-Feb-2001 #text_change 14-Sep-2001
C.Accession: D85525
R.Perra, N.T.: Plunkett III, G.: Burland, V.: Mat., H.: Glasner, J.D.: Rose, D.J.: May
R.Perra, N.T.: Plunkett III, G.: Burland, V.: Mat., H.: Glasner, J.D.: Rose, D.J.: May
Miles, L.: Grotbeck, E.J.: Davis, N.W.: Lim, A.: Dimalanta, E.: Potamousis, K.: Apoda
Nature 409, 529-533, 2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A: Title: Genome sequence of enterohemorrhagic Escherichia coii 0157:H7.

A: Reference number: A85480; MUID:21074935; PMID:11206551

A: Accession: D8525

A: Status: preliminary

A: Molecule type: DNA

A: Residues: 1-515 <STO>

A: Cossreferences: GB: AEOUS: 74; NID:g125:3177; PIDN: AAS54664.1; GSPDB: GN00145; UNGP: A: Experimental source: strain 0157:H7; substrain EDI/9:3
                                                                                                                                                                                                                                                                                                                                                                                                                                                         probable oxidoreductase subunit yahF (imported) - Escherichia col: (strain O157 H7,
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                                      A.Cross-reterences: GB.BA000007; PIDN.BAB33792.1; P.D.qis359825; GSPDB.GNC0154
A.Experimental source: strain 0157:H7, substrain AIXD 0509952
A.Genetics:
A.Gene: EGS0369
                                                                                                                                                                                                                                 Gaps
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Pred. No. 1e-02:
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                                                                                                                                                                        Score 31; DB 2;
Pred. No. 10402;
1; Mismatches
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83.38;
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Best Local Similarity 83.3
Matches 5; Conservative
                                                                                                                                                                           Query Match
Best Local Similarity 83.3
Matches 5, Conservative
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284 GRGETP 289
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Molecule type: DNA
Residues: 1-515 < HAY>
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                                                                      A:Molecule type: DNA
A:Residues: 1-63 <KANA.
A:Cross-references: EMELO50909: GB:AND01349: NID:GE572844; FLIN:FAA17906.1 : CC:GE78
A:Note: the nucleoilde sequence was submitted to the EMBI Data Libraty. Fine 1996.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RiKaneko, T.; Sato, S.; Kotani, H.; Tanaka, A.; Asamizu, E.; Nakamura, Y.; Miyajima, N.;
K.; Okumura, S.; Shimpo, S.; Takenchi, U.; Wada, T.; Watanabe, A.; Yanada, N.; Yasada
DNA Res. 3, 109-136, 1996
A;Title: Sequence analysis of the genom of the unicellular eyanobacterium synethocystia
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Gaps

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Indels

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1; Mismatches

Score 31: DS 2: Length 441: Pred: No. 89:

88.5%;

Ouery Match Best Local Similarity Hall Lea 5; Conservative

A; Gene: menF

271 GRGDSP 276

1 GRGDTP 6

ò q C:Species: Synechocystis sp.
A:Variety: PCC 6603
C:Date: 29- Jan 1999 #sequence_revision 29-Jan-1999 #text_change :6-Jun-2500

A; Reference number: \$74322; MUID: 97051201; PKID: 8905231

A; Accession: 874845

874845 tldD homolog slr0863 - Synechocystis sp. (strain PCC 6603)

A;Cross-references: GB:AE004437; NID:q10585699: PII N:AAG19491.1: GSF08:GRO013A

A;Status: preliminary A;Molecule type: DNA A;Residues: 1-441 <STO.

Swarch completed: September 16, 2003, 18:18:61 Job time : 16 secs

C.Accession: A99675

S. Hayashi, T.; Makino, K.; Ohnishi, M.; Kurokawa, K.; Ishii, K.; Yokoyara, K.; Ban, C.G.
Basawara, N.; Yasunaga, T.; Kuhara, S.; Shba, T.; Hattori, M.; Shinagawa, B.

DNA Res. 8, 11-22, 2001

A.Fitle: Complete genome sequence of enterohemorrhagic Eschetichia coli (157:H7 and genome A;Reference number: A99629; MUID:21156231; PMID:11258796

A:Status: preliminary

probable oxidoreductase subunit 8380369 (imported) - Escherichia co.: (strain C;Species: Escherichia coli C;Date: 18-Jul_2001 *sequence_revision 18-Jul-2001 *text_chango 18 Jul-2001

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88.6%; Score 37: De 1: Denath 46:: 8x33; Pred. No. 33; ative 1: Mismarches 6: Lidels

Overy Match Best Local Similarity 80.00 Ene 5: Conservative

352 GRGETP 357

RESULT 14

1 GRG57FP 6

ó 6

Superfamily: Escherichia coil tidt protein

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GenCorp version 5.1.6
Copyright (c) 1993 - 2003 Compagen Ltd.
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OM protein - protein search, using sw model

September 16, 2003, 19:13:27; Search time 12 Seconds (Without alignments) 23:513 Million cell updates/sec Run on:

US-09-780-612A-1 35 1 GRSDTP 6 Title: Perfect score: Sequence: BLOSUM62 Gapop 10.6 , Gapext 0.5 Scoring table:

127863 seqs, 47026705 residues Searched:

137863 Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 2000050000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

SwissProt_41:* Database :

Pred. No. is the number of results producted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

	Description	9153 rhigon		Still		qaliss						Q91289 pleurodeles		P02751 homo sapien		264937 rattus porv		09hqs9 halobanteri		F07688 bos taurus	P07858 home sapien	E STW	P00787 rattus corv		Q9x8n8 streptomyce	-				05 4117 rhodecaens	P17055 rhodebarner	P21771 saccharomyc	.r.	4
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EMBL: X52974; CAA37158.1; -EMBL: 236981; CAA85440.1; -EMBL: S27344; S27344;
CONFLICT 240 240 A -> R (IN REF. 1).
SEQUENCE 370 AA; 38751 MW; EDI7BC765552F28C9 CRC64;

STREET NAME OF STREET

201721 mus muscula P54826 homo sapien P49998 caulobacter P31386 brachydanio P5944 vibrio para 095947 komo sapien P79745 brachydanio P80770 human papil P05181 mesocricetu 005421 mesocricetu 005421 mus musculu		Υ.	a: Rulzobiales; Rulzobium	A MONITURE FROM N.A. SEQUENCE FROM N.A. SIZUENCE FROM N.A. MEDLINE-93108466; Pubmed-1469733; A Sey I., Hidalgo E., Falacios J.M., Reiz-Arouoso T.; Andleonida Sequence and organization of a north-organization of a region of the Relation of the Residence of a north-organization of the north-organization of	Rhizobium leyuminosarum, nit of Nike Hydroyenases genase metal cofactor	rquesc T., Yang W.C., Kokotek W., Lotz W.; erential transcription oblum lequminosarum	oduced through a collaboration of and the EMBL outstation e are no restrictions on its sits content is in no way usage by and for commercial tp://www.isb-sib.ch/announce/
GASI_MOUSE GASI_HUMAN RECE_CAUCK POUI, BRARE IMBI_VIBEA IBX6_HUMAN ZP23_BRARE VEZ_HPV24 CPEI_HUMAN CPEI_HUMAN CPEI_HUMAN CPEI_MOUSE	ALIGNMENTS PPT 370 AX	ce update) tion update protein hup	NDPK. Reizobium ieguminosarum (biovar viciae). Bacteria, Proteobacteria: Alphaprofeobacteria: Rhizobi Roizobiaceae, Rhizobium/Agrobacterium group: Rhizobium NCB:_Taxibw387;	69733, 8s J.M., Reiz-Arvou Genikalion of an Im bw. violac rend. Pen reading frames (1992).	Argueso T.; Argueso T.; Argueso T.; Ith the large subu protein for hydro	mperial J., Kuiz-A Keri V., Bauer T., equon and its diffi brin cells of Rhiz. E. 8:235-240(1997) THE HOPK FAMILY.	opyright, it is pre- te of Bioinformati s Institute. Ther- tutions as long a is not removed, a greement (See h exists sib,ch).
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28 28 28 28 28 28 28 28 28 28 28 28 28 2	SGLT 1 PK_RHIJV RHIF MHILV	P28153: 01-JUL-1993 01-FEB-1996 30-KAY-2000 Hydrogenase	HUPK, Rhizobium le Bacteria, Pr Rhizobiaceae NOBI_TaxID+3	SECUENCE FRO STRAIN 128C5 MEDLINE-9310 Rey 1 Hida Nunleotide from Rhizobi gene and fou J. Mol. Biol.	MEDLINE-9502 Imperial J., "Hupk, a hyd shares struc and could be assembly,"; Wol. Microbi [33]	STRAIN-BIO; Brito B., Pa Bisseling T. "Organizatio in non-isymbi by. vicise Mol. Plant M	This SWISS-Petween the the European use by non modified and contities require read an e
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T FUNCTIONAL ASSOCIATION OF U2 SHRIP WITH the AFP-Independent SPLOCOSONAL COMPLEX E.".

MOL Cell 5-779-787(2006)

COMPLEX ASSERBLY FORMED BY THE STRICTUS SFER REQUIRED FOR TAIL COMPLEX ASSOCIATES BY THE STRANG OF TO SHRIP TO THE BRANCHOOL INDEPENDENT BRANCHOOL TO SECONOR OF SECONOR OF SECONOR OF THE PREMARKA MAY ALSO BESENVIAL, IT MAY ANCHOR U2 SHRIP TO THE PRE-MRNA. MAY ALSO BE INVOLVED IN THE ASSENBRY OF THE FOR PRE-MRNA. MAY ALSO BE INVOLVED IN THE ASSENBRY OF THE FORCES ALSO TO THE MINOR U12-DEPENDENT SPLICEOSCHAF, WHICH IS INVOLVED IN THE SPLICTURE OF RARE CLASS OF NUCLEAR PRE-MRNA INTERN

COL RARE CLASS OF NUCLEAR PRE-MRNA INTERN

FOUR SHIPMILS, STBB4/ARPHOOL SFBB/ARPHOOL SPRICEOSCHAF, AND A SFBB/ARPHOOL SPRICEOSCHAF, SFBB/ARPHOOL SPRICEOSCHAF, AND A SPECIATES WITH THE SPLICING FACTOR SFBA AND A SECONOR SHIPMILS.
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                                                                                                                                                                                                                                                                                                 16-0CT-2001 (Rel. 40, Created)
16-0CT-2001 (Rel. 40, Last Sequence update)
16-0CT-2001 (Rel. 40, Last annotation update)
Splicing factor 3B subunit 1 (Spliceosome associated protein 155) (SAP
155) (SF3D155) (Pre-mRNA splicing factor SF3B 155 kDa subunit).
SF3B1 OR SAP155.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Wang C., Chua K., Seqhezzi W., Lees E., Gozani G., Reed R., "Phosphorylation of spliceosomal protein SAP 155 coupled with splicing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 the European Bioinformatics institute. There are no restrictions on use by non-profit institutions as long as its content is in no
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo,
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  Dength 370;
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Submitted (JJN-1998) to the EMBL/GenBack/EDBJ databases.
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                                                0; Mismatches
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MEDLINE-98252826; Pubmed-9585501:
  100.0%; Score 35:
100.0%; Pred. No.
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Das R., Zhou Z., Recd R.;
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Query Match 100.
Best Local Similarity 100.
Matches 6: Conservative
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                                                                                                                                          163 GRGDTP 158
                                                                                            1 GRGDIP 6
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075533;
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MEDLINE-21189985: PubMed-11252167;

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MATCHIOL A BORENT COMPONED BY DEPROSSION OF the mouse SIBLE (SAF155) gene for the USARNP COMPONED.

MATCHIOL SUBMUT CEMBED BY THE STABLE SINGLANGER.

MATCHIOL SUBMUT CEMBED BY THE STABLE SINGLANGER.

MATCHIOL SUBMUT CEMBED BY THE STABLE SINGLANGER.

COMPLEX ASSEMBLY PERMED BY THE STABLE SINGLANGER.

BRANCHPOINT SEQUENCE (RPS) IN PRE-MRNA. SEGIENCE INDERNURT BINDING OF SPRA/SFRB OCHPLEX OF STREAM OF THE STABLES ALSO TO THE MINOR UL2-DEPENDENT SPILCEDGOOMER. MEIGH TS INVOLVED IN THE SPLICING OF SARM OF THE SPLICING STREAM OF THE SPLICING STABLES ASSOCIATED TO THE SPLICING STABLES ASSOCIATE WITH THE SPLICING STABLES ASSOCIATE WITH THE SPLICING FACTOR STABLES (US SMRAP). SPRAP SHAPE STABLES (US SMRAP). SPRAP STABLES (US SMRAP). SPRA
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                                                                                                                                                                                                                                                                                                                               Gaps
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-1. PIM: PHOSPHORYLATED. PHOSPHORYLATION OCCURS CONCOMITANT WITH THE
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Mammalia, Eutheria, Rodestia, Schurognath: Muridae, Murinae: Mus
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                                                                                                                                                                  Spliceosome: mRNA processing; mRNA splicing; Nuclear protein;
                                                                                                                                                                                                                                                                          1: Length 1304;
                                                                           GO:0005681; C:spliceosome complex: NAS.
GO:0008248; F:pre-maNA splicing factor activity: NAS.
GO:0006371; P:mKNA splicing: MAS.
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-!- SIMILARITY: BELONGS TO THE SF3B: FAMILY.
-!- SIMILARITY: Contains ? HEAT repeats.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              16-0C1-2001 (Rel. 40, Created)
16-0CT-2001 (Rel. 40, Last sequence update)
16-0C1-2001 (Rel. 40, Last annotation update)
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Matches 6; Conservative
HGNC:10768; SF3B1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STANDARD;
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                                                                                                                                                                                         Phosphorylation; Repeat
SEQUENCE 1304 AA: 14
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259 GRGDIP 274
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Genew, HGNC:10
GK: 075533; -
MIM: 605590;
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16-007-2001 (Rel. 40, Last, sequence upaate)
5plicing factor 38 submit. 1 (Spliceosome Associated protonn 155) (SA)
155) (SPBDS) (Pre-maka splicing factor SPSD 155 Rel signiff (145
KDa nuclear protein).
Xenopus laevis (African classed from).
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Amphibia: Batrachia, Anura, Mesobatrachia, Pipoldea, Fipicae;
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Best Local Similarity 100.0%; Pred. No. 13:
Matches 6: Conservative 6: Mismatches 7: indels
                                                                                                                             100.0%; Score 35; DB 1; Length 1304;
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                                     1304 AA; 145816 NW; 12F051757D2A2DEE GRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPLEX (UZ SNRNP) (By similarity).
--- SUBGERI-LADAR LOCKTION: Noclear.
--- SIMILARITY: BELGORG TO THE SF331 FAMILY.
--- SIMILARITY: Contains ? HEAT repeats.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRT: 1302 AA
                                                                                                                                                                  Pred. No. 13;
                                                                                                                                                                                                            C: Mismaiches
                                                                                                                                                                       100.0%;
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PIR; T30887; T30887.
                                                                                                                                                                       Local Similarity 100.
nes 6: Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STANDARD;
Phosphorylation: Repeat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Xenopodinae: Xenopus.
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                                                                                                                                                                                                                                                                                                                                                   111:11
269 GRGDTP 294
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              S3B1_XENLA
057683;
                                         SEQUENCE
                                                                                                                                  Query Match
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                                                                                                                                                                                                                 Matches
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This SWISS-PROT entry is copyright It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its mee by non-profit institutions as ing as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.ish-sib.ch/announce) or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sukaryota, Metazoa, Chordata, Cranista, Vertebrata: Euroloosiomi,
Archosauria, Aves, Neoquathae, Gallifornes, Phasianidae, Phasianinae,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Maeda N., Kenmochi N., Tanaka T., The complete medeotide sequence of chicken ribos mal protein i7a que and the multiple factor binding sites in its f. Linking and and the multiple factor binding sites in its f. Linking
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDINE-92335297; PubMed-1631131;
Colombo P., Yon J., Garson K., Fried M.:
Conservation of the organization of five rightly clustered genes
over 600 million years of diverpent evolution.":
Proc. Natl. Acad. Sci. U.S.A. 89:6358-6362(1992).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   11 SIMILARITY: BELONGS TO THE LARE FAMILY OF RISOSOMAL PROTEINS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  C; Indels
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07E312C639BB5655 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 91.4%; Score 32; DH l; 83.3%; Pred. No. 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              16-CCT-2001 (Rel. 40. Last sequence update)
16-CCT-2001 (Rel. 40. Last annotation update)
18-rosinase binding protein-like At2q39310.
At2G39310 OR T16B24.5.
                                                                                              01-001-1993 (Rel. 27, Created)
01-00T-1993 (Rel. 27, Last Sequence updato)
01-FEB-1996 (Rel. 33, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              458 AA
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Interpro; IPR04038; Ribosomal_;7AP.
Ffam. PF01248; Ribosomal_L7AP.
PRINTS; PR00881; L7ARS6FAMILY.
PROSITE; PS01082; RIBOSOMAL_1,7AE: 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MEDLINE=94100270; PubMed-8274530;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         16-CCT-2001 (Rel. 40, Created)
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                                                                                                                                                                                                                                                                          60S ribosomal protein L7a.
RPL7A OR SURF-3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        5; Conservative
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STANDARD:
                                                                                                                                                                                                                                                                                                                                                                                                 Gallus gallus (Chicken).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       123 GKGDIP 128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ribosomal protein.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE FROM N.A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 GRGDIP 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NCBI_Tax:D=9031;
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Bonfield J., Burton J., Conneil M., Copsey T., Cooper J., Coulson A.,
Craxton M., Dear S., Du Z., Durbin R., Favello A., Fraser A.,
Uniton L., Gardner A., Green P., Hawkins T., Hillier L., Jer M.,
Johnston J., Jones M., Rershaw J., Kirsten J., Laisster N.,
Latreille P., Lightning J., Lloyd C., Mortimore B., C'Calladhan M.,
Parsons J., Percy C., Kifken L., Rooper A., Saunders D., Shownken R.,
Sims M., Smaldon N., Smith A., Smith M., Sonnhammer E., Staden R.,
Sulston J., Thierry-Mieg J., Thomas K., Vaudin M., Vaughan K.,
Waterston R., Watson A., Weinstock L., Wilkinson-Sproat J.,
Eukaryota, Viridipiantae, Streptophyta, Emoryophyta, Frachopey, C
Sperimatophyta, Magooliophyta, endinoty, edons, core oblice; Scalidor,
Eurosids II: Frassledies, Brasslenear, Arabidopsis,
NCSI_TaxID=1702;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SdED
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Rhabátidae: Peloderinae: Caenorhabástis.
                                                                                                                                                                                                                                            MEDELINE. 2008 3487; Putred-loh1797; Shea T.F., Renits M. L., Thour C.B., Lin X., Kaul S., Kounsley S.D., Shea T.F., Renits M. L., Thour C.B., Puji C.Y., Mason T.M., Bawman C.L., Barnesteau M.E., Beidzigum T.Y., Buell C.R., Kerchum K.A., Lee J.G., Renitum C.M., Koo B.L., Moffat K.S., Cronin L.A., Shon M., Pai G., Van Aken S., Smeyam L., Tailon L.S., Gill J.E., Adams M.D., Carrera A.J., Greasy T.B., Goodban H.M., Somerville C.R., Coponhaver G.P., Preuss L., Millerman M.C., White O., Elson J.A., Salzberg S.L., Fraser C.M.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 'Sequence and analysis of chromosome 2 of the plant Arabidopsis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              91.4%; Score 52; DB 1; Length 458;
85.3%; Pred. No. 18;
1ve 1; Mismatches 0: Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   InterPro: IPR001229; Jacalin_Lectin.
Pfam: PF01419; Jacalin; 3.
Lectin; Ropeat: Multiqune family.
SEQUENCE 458 AA; 56463 MW; FEGIA410563FAAF8 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Nature 402:761-768(1999).
-!- SIMILARITY: BELONGS TO THE JACALIN LECTIN FAMILY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      01-FFB-1994 (Rel. 28, Created)
01-FEB-1994 (Rel. 28, Last Sequence update)
28-FEB-2003 (Rel. 41, Last Amotation update)
PAT-2 OR F54F2...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRT: 1226 AA.
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MEDLINE=94150718; Pubmed 79964898;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                EMBL: AC004697; AAC28979.1; -.
PIR: T02571; T02571.
HSSP; P18674; 1JOT.
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Best Local Similarity 83.3
Matches 5: Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Venter J.C.;
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P34446;
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                        C. GRAGES. ;
Mature 366:32-36(1994).
Mature 366:32 With Bela Pat 3.
Mature 366:32 With Belongs 19 THE inteckin Alpha Grain Parint.
Mature 37 FG-GAP repeats.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
         ^{3}2.2 Mb of contiguous nucleotide sequence that chromosome III of C. e.edabs.",
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(POTENTIAL).
(POTENTIAL).
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Eukaryota, Pungi, Ascomycota, Saccharomycotina: Saccharomycetes:
Saccharomycetales, Saccharomycetaceae, Saccharomyces.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (POTENTIAL).
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SWARI, SWOULD1, Int_alpha; 5.
PROSITE; PSOOZET, INTEGRINALPHA; 1.
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01-FRB-1995 (Rel. 31, Last sequence update)
15-SEP-2603 (Rel. 42, Last annotation update)
Hypothetical 48.3 kDa protein in MOSI-SGAl intergenic region.
71b103W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    58 1; Length 1226;
54;
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EXTRACELLULAR (POTENTIAL)
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FG-GAP 5.
FG-GAF 6.
FG-GAP 7.
N-LINKED (GLCNAC.
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Pred. No. 54;
l; Mismatches
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                                                                                                                                                                                               or send an email to license@isb-sib.ch).
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FG-GAP 3.
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InterPro; IPR000413: Integrin_alp!:a.
Pfam: PF01839: F6-GAP: 4.
Pfam: PF0055: integrin_A: 1.
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83.3%;
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Hest Local Similarity 83.5
Hest Local Similarity 83.5
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HSSP; P06756; lJV2.
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P40487;
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us-09-780-612a-1.rsp

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NCBI_TaxID-9031;
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    This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMAL elegation the Buropean Bioinformatics Institute. There are no restrictions on its mose by non-profit institutions as acquains the collection in its modified and this statement is not recoved. Washe by and for commercial entities requires a license infreement (See http://www.isb-sit.ch/announce/or send an email to licenselish-sib.ch).
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                                                                                                                Churcher C.M., Bowmen S., Badcock K., Bankier A., Hrown L., Chillingworth T., Connor R., Devlin K., Genles S., Hamin N., Harris D.E., Horsnell T., Hort S., Javels K., Jones M., Lyo G., Moule S., Chiell C., Pearson D., Palarom M.A., Kice F., Rowiey N., Skelton J., Smith V., Walsh S., Whitehead S., Barrell S.G.: "The nucleotide sequence of Saccharomyces cerevisiae chromosome IX.",
                                                                                                                                                                                                                                                               -i-SIMITARITY: TO VEAST DIPHTBRIA TOXIN RESISTANCE PROTEIN 2 (DPE2), TO S.POMBE SPACISK 150, SPECIBB.05, TO C.ELEGANS CUGGE.2, CLASI. AND M.JANNASCHII M.0483.
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Kaneko T., Sato S., Kotani H., Tanaka A., Asamiz; E., Nakamiri V.
Miyajima N., Hirosawa M., Sajaiura M., Sakamovo S., Kimira T.,
Miyajima N., Hirosawa M., Sajaiura N., Naraok K.,
Okumura S., Shimpo S., Takeuchi C., Wada T., Watanabe A.,
Yamada M., Yasuda M., Tabata S.,
Sequence analysis of the aconome of the unicellular cyanobacterium
Synechocystis sp. straim PCC6803. II. Sequence determination of the
entire genome and assignment of potential protein coding regions.",
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425 AA: 46310 MW; 23E9385ZE6306792 CRC64;
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NCHI_TaxID=1148;
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-!- SIMILARITY: BELONGS TO THE TLOD/PMBA FAMILY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            88.6%; SCORE 31; DF 1;
83.5%; Pred, No. 28;
ive 1; Mismatches 4
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15-JUL-1998 (Rel. 36, Last sequence update)
28-FBL-2003 (Rel. 41, Last annotation update)
Hypotherical protein slr0863.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         InterPro, 108002728: Diphthamide_syn. Pfam: PP01866: Diphthamide_syn; L. ProDom: PD064399; Diphthamide syn: 1. TIGRFAMS: TIGRPO322: diphthamide syn: 1.
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Matches 5; Conservative
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                                                            PubMed-9169870;
Churcher C
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NCBI_TaxID-4932
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P73754;
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PUNCTION: FIBRONECTINS BIND CELL. SURFACES AND VARIOUS COMPOUNDS INCLUDING COLLAGEN, FIBRIN, HEPARIN, DNA, AND ACTIN. FIBRENECTINS ARE INVOLVED IN CELL ADHESION, CELL, MOTILITY, CPSCHIZATION, WOOND
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Norton P.A., Hynes R.O.;
"Alternative splicing of chicken fibronectic in embryos and in normal
and transformed cells.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Bukaryota: Metazoa, Chordata: Graniata, Vertebrota; Enteleostomi;
Archosauria, Aves; Neognathae: Gallitormes; Phasianidae; Phasianinae;
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MEDLINE-90183668; PubMed-8603103.
MEDLINE-80183 A.L., Brandli D.W., Lewis S.D., Bennett V.D.:
"The exon encoding the fibronectin type III-9 repeat is constitutively included in the mRNA from chick limb mesenchyme and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Isolation of genomic DNA closes spanning the entire fibronectin
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Yamada K.M.;
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InterPro; IPR002510; PmbA_Tldu.
Pfam; PF01523; PmbA_Tldu: 1.
Ppothetical protein; Complete proteome:
SEQUENCE 463 AA; 50349 WW; 220173676765432; CRC64;
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83.3%; Prod. No. 31;
rative 1; Mismatches
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01-02T-1989 (Rel. 35, Last sequence speate)
01-NOV-1997 (Rel. 35, Last annotation update)
15-SEP-2003 (Rel. 42, Last annotation update)
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HEALING, AND MAINTENANCE OF CREE SHAPE.
SCHUNT: MOSTLY HESTEROLIMERS OF WILTIMERS OF ALTERNALIVELY SHIFTED YARANTE, CONNECTED BY 2 DISULFIDE BONES WERE THE CARRENTL BENDS.
TO A LESSER EXTRUD HEMODIMERS.
ALTERNALIVE PROJECTS.
FVent_Alternalive Splicing ware produced. Each of the "extra Comment." A number of insolens are produced. Each of the "extra domain" and "the requesting strang 3 are produced. Each of the "extra domain" and "the requesting strang 3 are prosent in some forms of fibrancelin and absent in others.
                                                                                                                          PROSITE: PS00202 FN313 9.

PROSITE: PS00202 FN313 9.

PROSITE: PS00203 FN313 9.

PS00401 All creative spicing.

NON_TER 50 51

DOMAIN 236 F09 961

HEPARIN BINDING 2 (BY SIMILAGITY).

DOMAIN 327 415 F1BRIN BINDING 2 (BY SIMILAGITY).

DOMAIN 327 415 F1BROWCTH TYPE III.

DOMAIN 416 59 F1BROWCTH TYPE III.

DOMAIN 510 699 F1BROWCTH TYPE III.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PIBRONECTIN TYPE: III (EXTRA DOMAIN 1) FIBRONECTIN TYPE: III (EXTRA DOMAIN 1) FIBRONECTIN TYPE: III (EXTRA DOMAIN 2).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FIBRONECTIN TYPE-111. CONNECTING STRAND ( CONNECTING STRAND ( CS-2) (V RESIGN)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FIBRONECTIN TYPE-111.
FIBRONECTIN TYPE-1.
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CELE ATTACHMENT SITE.
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BY SIMILARITY.
N-51NKED (GLUNAC.
The Post of the REF. 4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         BY SIMILARITY.
BY SIMILARITY.
BY SIMILARITY.
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                                                                                                                                                                                                                                                                                                                                                         EMBL; V00432; CAA23714.;; ---
EMBL; U21327; AAA7566.; --
EMBL; X06533; CAA2786.; --
EMBL; X06533; CAA2781.; --
EMBL; U20386; AAA48772.; ALT_SEO.
EMBL; U20386; AAR01662.; --
PIR, A28512.
PIR, S71465; S71468.
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Interpro: IPPC00083; Fibrnct:.1.
Interpro: IPR003961; FN_III.
Interpro: IPR00362; FN_IYPE_II.
Interpro: IPR003962; FN_II_subd.
PRINTS: PR00014; FWIYPEIII.
SWART: SW00058; FNI: 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      137435
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1256
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SEQUENCE
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. .) (PITENTIAL)

DB 1: Length 1256;

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                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FIBRIN-BINDING 2 (BY SIMILARITY).
FIBRONSCIIN TYPE-11.
FIBRONECTIN TYPE-11.
FIBRONECTIN TYPE-11.
FIBRONECTIN TYPE-11.
FIBRONECTIN TYPE-11.
FIBRONECTIN TYPE-11.
FIBRONECTIN TYPE-11.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PROSITE; PS00022; PSF_1: 1.
PROSITE; PS01253; FIBRONEUTIN-1: 1.
Glycoprotein; Plasma; Heparin-binding: Acuto phase; Cell adhesion;
Repeat.
                                                                                                                                                                                                                                                                                                                                                                                                                       SIMILARITY: Contains at least 3 fibrosectin type I domains.
SIMILARITY: Contains at least 10 fibrosectin type III domains.
                                                                                                                                            [1.NOV-1997 (Rel. 35, Created)

1.NOV-1997 (Rel. 35, Last sequence update)

[1.NOV-1997 (Rel. 35, Last amountion update)

Fibromectin (FN) (Fragment).

Fibromectin (FN) (Fragment).

Four-coded ow walklin (Cherian ribbed newt).

Fukaryota, Metazoa; Chordata; Chanista; Vertubrata; Esteleostomi;

Amphibia; Batrachia; Caudata; Salamandroideu; Salamandridae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HEPARIN-BINDING 2 (BY SIMILARITY).
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               : de s
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CELL-ATTACHMENT.
 Pred. No. 92;
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                or send an email to license@isb-sib.cm).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    BKBL, X66813; CAA47292.1; -. HSSP, B02751; 1FNH, LOREFIC: 1FR06209; BGE_like. InterPro; 1FR003083; Fibrnchl. InterPro; 1FR003961; FN_III. EnterPro; 1FR003961; FN_III. EnterPro; 1FR003962; FN_III. Subd. Ptam; PP00639; fn]; 31.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRINTS: PR00014; FNTYPEIII.
SMART: SM00058; FN1; 3.
SMART: SM00060; FN3; 9.
Best Local Similarity 83.5 Matches 5; Conservative
                                                                                                                       STANDARD:
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477
477
1288
1288
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201
292
383
383
                                                             492 GRGDSP 497
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                                     1 GRGDTP 6
                                                                                                                                                                                                                                           NCBL_TaxID-8319;
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TO A LESSER EXIEND HOMODIMERS.
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                   ALTERNATIVE PRODUCTS:
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SMART; SM00060; FN3; 14.
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1141
1150
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107
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314
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480
527
571
669
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HSSP; P02751; 2FN2
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374
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437
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675
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    BY SIMILARITY.
INTERCHAIN (WITH 1324 OF OTHER CHAIN) (FY SIMILARITY).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SUBDILL: MOSTLY HETERODIMERS OF MULTIMERS OF ALTERNATIVELY RELICED VARIANTS, CONNECTED BY 2 DISCLFIDE BONDS NEAR THE CARBOXYL HINGS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Proc. Natl. Acad. Sci. U.S.A. 80:3218-3222(1964).
-!- FUNCTION: FIBRONECTINS BIND CELL SUFFACES AND VARLOUS COMPOUNDS
INCLUDING COLLAGEN. FIBRIN, HEPATRIN. DNA. AND ACTIN. FIBRONECTINS
ARE INVOLVED IN CELL ADEBSION. CELL MOTILITY, OPSONIZATION, WORNE HEALING, AND MAINTENANCE OF CELL, SHAPE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Skorstengaard K., Jensen M.S., Sahl P., Petersen T.E., Magdusson S., "Complete primary structure of bovine plasma ribronection.";
Eur. J. Blochem. 161:441-453(1986).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Petersen T.E., Thorgersen H.C., Skorstangaard K., Vibe-Federson K., Sabl P., Soltrup-Jensens L., Megausson S.; "Partial primary structure of bovine plasma fibronectin: three typus of internal homology."
FIBRONECTIN TYPE-III (EXTRA DCMAIN).
FIRRONECTIN TYPE-III.
FIBRONECTIN TYPE-III.
FIBRONECTING STRAND 3 (CS-3) (V REGION).
FIRRONECTIN TYPE-III.
FIBRONECTIN TYPE-III.
FIBRONECTIN TYPE-II.
FIBRONECTIN TYPE-II.
FIBRONECTIN TYPE-II.
                                                                                                                                                                                                                                                                                                                                                                                                 81178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE OF 2170-2265 FROM N.A.
MEDLINE-81221567; PubMed-6304699;
Kornblibtt A.B., Vibe-Pedersen K., Baralle F.E.;
"Isolation and characterization of cDNA clones for human and hexine fibronectins.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Este esstembri
Mammaila, Eutheria, Cetartiodaetyla, Ruminantia, Penora, Pevoldea,
Bovidae, Bovinae, Bos.
                                                                                                                                                                                                                                                                                                                 N-LINKED (GLCNAC. . .) (POTENTIAL)
MW, E315F7968A1D1E74 CRC64;
                                                                                                                                                                                                                                                                                                                                                               Score 31: DB 1: Longth 1328;
Pred. No. 98:
                                                                                                                                                                                                                                                                                                                                                                                                 0: Indels
                                                                                                                                                                                                                                                                                     SIMILARITY).
CELE ATTACHMENT SITE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Proc. Natl. Acad. Sci. U.S.A. 80:137-141(1983)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Greated)
Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRT; 2265 AA
                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PAKTIAL SEQUENCE.
MEDLINE=83117805; PubMed-6218503;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDLINE-87054047; PubMed-3780752;
                                                                                                                                                                                                                                                                                                                                   145037
                                                                                                                                                                                                                                                                                                                                                                  88.68;
                                                                                                                                                                                                                                                                                                                                                                               63.38;
                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
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                                               929
1064
11199
11243
1287
1186
1196
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1270
1284
1320
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                                                                                                                                                                                                                                                                                                                    89
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01-FEB-1994 (Rel. 28,
15-SEP-2003 (Rel. 42,
                                                                                                                                                                                                                                                                                                    461 46
89 8
1328 AA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         460 GRGDSP 465
                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
Matches 5: Couserv
                                                                                                                                                                                                                                                                                                                                                                                                                             1 CRUDITY 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Fibronectin (FN).
   568
658
833
936
11055
11155
11157
11184
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P07589;
                                                                                                                                                                                         DISULFID
                                                                                                                                                                                                                        DISULFIE
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FINC_BOVIN
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Event-Alternative splicing, Named isoforms=1;
Comment-A number of isoforms are produced. Each of the "cxtra
domain" and the connecting strand 3 are present in some forms of
                                                                                                                                                                                                             TISSUE SPECIFICITY: PLASMA FN (SOLUHLE DIMERIC FORM) IS SUCRETED BY HEPATOCYTES. CELLULAR FN (SOLUHLE DIMERIC FORM); SUCRETED BY HEPATOCYTES. CELLULAR FN (STRHELCAL AND STHEK CHAIL TYPES, IS DEPOSITED AS FIBRILS IN THE EXTRACELLULAR MATRIX.

PIN: SULMATED (BY SIMILARITY)
SIMILARITY: Contains 12 fibronectin type II domains.

SIMILARITY: Contains 2 fibronectin type III domains.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PROSITE: PS0002; FUST L4:
PROSITE: PS00025; FIRENEETIN_2: 2.
PROSITE: PS00025; FIRENEETIN_2: 2.
PROSITE: PS001253; FIRENEETIN_2: 2.
PROSITE: PS001253; FIRENEETIN_2: 1.2.
Sulfaction: Cell adhesion: Repeat: Alternative splitting;
Pytrolidone carboxylic acid.
PYRECLIDONE CARBOXYLIC ACID.
DOMAIN 27 21 241 FIRENE AND HEPARIN-BINDINS i.
DOMAIN 277 577 CCLLAGEN-BINDING.
DOMAIN 1236 1509 CELL:-ATTACHMENT.
DOMAIN 1236 1509 HEPARIN-HINDING 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FTBRIN-BINDING 2.

FIBRONECTIN TYPE-1 1.

FIBRONECTIN TYPE-1 3.

FIBRONECTIN TYPE-1 4.

FIBRONECTIN TYPE-1 4.

FIBRONECTIN TYPE-1 4.

FIBRONECTIN TYPE-1 5.

FIBRONECTIN TYPE-1 1.

FIBRONECTIN TYPE-1 1.

FIBRONECTIN TYPE-1 1.

FIBRONECTIN TYPE-1 1.

FIBRONECTIN TYPE-1 2.

FIBRONECTIN TYPE-1 3.

FIBRONECTIN TYPE-1 3.

FIBRONECTIN TYPE-1 1.

FIBRONECTIN TYPE-1 1.
                                                                                                                                                                                   IsoId=P07589-1; Sequence=Displayed:
                                                                                                                  fibronectin and absent in others;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                HSSP, P02751, 2FN2.
InterPro; IPR005209: EGF_like.
InterPro; IPR003081; Fibrneth).
InterPro; IPR003961; FNLIII.
InterPro; IPR003962; FNLII_suld.
Plam; PF00639; FnII_suld.
Plam; PF00640; fn2; 2.
Pfam; PF00641: fn3; 15.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRINTS: PRO0013; FWTYPEII.
PRINTS: PR06014; FWTYPEIII.
ProJom: PD000995; FW_TYPE_II; 2.
SMARE: SM00058; FWI: 12.
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ibronectin precursor (FN) (Cold-inscluble globulin) (CLS)
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                                                                                                                                                                                                                                           SECUENCE OF 1-49 PROM N.A.
MECLINE-87175578: Pubmed-3031656.
Dean D.C., Bowlus C.L., Bourgedis S.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   J. Biol. Chem. 257:9593-9597(1982)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE OF 1441-1548
                                             lomo sapiens (Human).
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                                                                                                 NCBI_[axID=9606]
                        NI OR FN.
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         NA PARTE AND PARTE AND REPORTED AND REPORTED
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FIBRONECTIN TYPE-III 8.
PIBRONECTIN TYPE-III 9.
FIBRONECTIN TYPE-III 10.
FIBRONECTIN TYPE-III 11.
FIBRONECTIN TYPE-III 12.
FIBRONECTIN TYPE-III 14.
FIBRONECTIN TYPE-III 14.
CONNECTIN TYPE-III 14.
CONNECTIN TYPE-III 14.
FIBRONECTIN TYPE-III 16.
FIBRONECTIN TYPE-III 17.
FIBRONECTIN TYPE-III 17.
FIBRONECTIN TYPE-III.
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Pred, No. 1.40:02:
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FINC_HUMAN STANDARD: PRT: 2386 AA. P02751; 014326; 05H188; 21-JUL-1986 (Rel. 01, Created); 1-NOV-1997 (Rel. 95, Last sequence update); 15-SEP-2003 (Rel. 42, Last annotation update)

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RESULT 13 FINC_HUMAN

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MEDLINE-84272258; PubMed-6462919;
Kornblibtt A.R., Vibe-Pederson K., Baralle F.E.;
"Human fibronectin: cell specific alternative mRNA splicing generates polypeptide chains differing in the number of internal repeats.";
N.cleic Acids Res. 12:5853-5866(1984).
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OWERS R.J., Baralle F.E.;
"Mapping the collagen-binding site of human libronectin by expression
in Eschericha coll.";
EMHO J. 5:2825-2836(1966).
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MEDLINE-85284965; PubMed-2992939;
MEDLINE-85284965; PubMed-2992939;
Mernahitt A.R., Umezawa K., Vibe-Pedersen K., Baralle F.E.)
Merimary structure of human fibronectin: differential splicing may generate at least 10 polypeptides from a single general.

EMBO J. 4:1755-1759(1985).
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Puteleostomi)
Mammalia, Butheria, Primates, Catarrhini, Borisidae, Boro,
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                                                                                                                                                       SEQUENCE OF 1-38 FROM N.A. MEDLINEWS 550UENCE OF 1-38 FROM N.A. MEDLINEWS7030890; PubMed-3770189; Minman A. Yamada K.M., KONDELEM: A.E.: "Human Libroneclin is synthesized as a pro-fropoupperfile." FERS Lett. 267:145-148(1986).
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MEDLINE-86111901: PubMed~3003095;
Oldberg A., Ruoslahti E.;
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"Fibulin blods to itself and to the catboxyl-terminal heparin-bluding region of fibronectin.": Exon structure of cell attachner Schor S.L., Schor A.M., Schevirathe K., Kay R., Ellis I., Ballis E., 'Migration stimulating tactor (MSF): a novel transcription variant of MEDLINE-96069779; PubMod-7583666; Potts J.K., Phan I., Williams M.J., Campbell I.D.; "High-resolution structural studies of the factor XIIIa (1088]inkin: the and the first type I module of fibronectin."; Nat. Struct, Biol. 2:946-950(1995). Sekiguchi K., Klos A.M., Kurachi K., Yoshitake S., Hakomori S.; Human liver fibronectin complementary DMAs: identification of two different messeverer KMAs possibly encoding the alpha and beta subunits of plasma fibronectin."; MEDLINE-95081153; PibMed-7389369; Rostagno A., Williams M.J., Baron M., Campbell I.E., Guld L.T., *Further characterization of the NH2-terminal fibris-binding 8.1. MEDLINE/86042625; PutMed-2414772; Liu M.C., Yu S., Sy J., Redman C.M., Dipmann F., "Tyrosine sulfation of proteins from the Buran Depatoma cell line "solution structure of a pair of fibronectin type i modules with fibrin binding activity.": Ċ, Sticht H., Pickford A.R., Potts J.R., Campbell 1.D.; *Solution structure of the glycosylated second type 2 modile of MEDLINE=93046665; Pubmed~1423622; Main A.L., Harvey T.S., Baron M., Boyd J., Campbell I.D.; "The three-dimensional structure of the tenth type III modifie "Ibronectin: an insight into ROD-mediated interactions." Balbona K., Tran H., Godyna S., Ingham K.C., Strickland D.K., Argraves W.S.; Williams M.J., Phan I., Harvey T.S., Rostagno A., Gold L.I., STRUCTURE BY NMR OF 1447-1540. MEDLINE-92162710; Pubmed-1311202; Baron M., Main A.L., Driscoll P.C., Mardon H.J., Boyd J. Submitted (MAR-2000) to the EMBL/GenBank/10DBC databases Proc. Nat.l. Acad. Sci. U.S.A. 82:7160-7164(1985) CHARACTERIZATION OF FIBRIM-BINDING SITE Biol. Chem. 269:31938-31945(1994). Biol. Chem. 267:28129-20125(1992) *Evolution of the fibronectin gene. J. Biol. Chem. 261:2113-2116(1986) Mol. Biol. 235:1302-1311(1994). SEQÚENCE OF 1712-1739 FROM N.A. MEDLINE-87026578; PubMed=3021206; PubMed-9514732; MEDLINE-94141923; PubMed-8308892; Mol. Biol. 276:177-187(1998). Biochemistry 25:4936-4941(1986). SEÇÜENCE FROM N.A. (ISOFORM 2). STRUCTURE BY NMR OF 1447-1540. STRUCTURE BY NMR OF 406-464. STRUCTURE BY NMR OF 182-275. STRUCTURE BY NMR OF 32-92 the fibronectin gene. Cell 71:671-678(1992) FBLN1-BINDING SITE. MEDLINE=98179558; PubMed-1400330; Campbell I.C.; ribronectin.". fibronectin. Clausen J.; SULFATION domain." HepG2.

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          This SWISS-PROI entry is copyright. It is produced through a coilaboration
                                                                                                                                                                                                                                X-RAY CRYSTALLOGRAPHY (2.8 ANGSTROMS) OF 1721-1991.
MPDILIBE-9917162. PubMed=10075919.
Sharma A., Askari J.A., Humpiries M.J., Jones E.Y., Stuart D.I.;
Crystal structure of a heparin- and integrim-binding scement of human
                                                                                                                                                                                                                                                                                                                                    MEDINE-94166075; PubMed-8120888;
Dickinson C.D., Veerapandian B., Dai X.-F., Hamilio R.C., Xuong N.-H.,
Ruoslahti E., Eiy K.R.;
"Crystal structure of the tenth type III cell adhesion module of
human fibronectin.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Isoid-P02751-1; Sequence-Displayed;
Name=2: Synonyms-MSF-FN76, Migration stimulation iactor FN70;
Isoid-P02751-2; Sequence-VSF-003255, VSF-003256, VSF-003257;
ISSUE SPECIF-CITY: PLASMA FN (SOLUBLE DIMERIC FORM) JS SKCRETED
BY HEPATOCYTES. CELLULAR FN (DIMERIC OR CHOUS-TINKED MULIMERIC
FORMS), MADE BY FIBROBLASTS, EPITHELIAL AND OTHER CELL TYPES, IS
DEPOSITED AS FIBRILS IN THE EXTRACELLULAR MAIRIX.
              "IH NMR assignment and secondary structure of the cell adhesion type III module of fibronectia.";
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Eukaryota: Metazoa; Chordata: Craniata; Verfebrata; Esteleestomi;
Mammalia; Eutheria; Rodentia; Sciurognathi: Muridae; Murinac; Mus.
NCBI_TaxID-10090;
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Pred. No. 1.9er02;
C. Indels
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                                                                                       X-RAY CRYSTALLOGRAPHY (1.8 ANGSTROMS) CF 1447-1535
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                                                                                                                                                                                              Mol. Biol. 236:1079-1092(1994).
                                                    Biochemistry 31:2068-2073(1992).
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83.3%;
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1: SIMILARITY: Contains 2 ribronectin type 11 domains.
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FIBRONECTN TYPE TT 11.
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FIBRONECTN TYPE TT 13.
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PROSITE; PS00023; FIBKONECTIN_2; PARTIAL.
PROSITE; PS01253; FIBKONECTIN_1; 4.
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LitterPro; PR036509; EGF_like.
LitterPro; IPR060083; Fibractal.
LitterPro; IPR003961; FW_III.
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Interpro; IPR003962; FnIII_subd
Pfam: PF00039; fnl; 4.
Pfam: PF00041; fnl; 17.
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EMEL, X82402.1
EMEL, X82402.1
EMEL, X93167; CAA6356.11
EMEL, M18194; AA37676.11
EMEL, M18194; AA37676.17
FIR. A49173; A49173;
FIR. 148349; I48349;
FUBS, TMFN, 29-APR-98;
FUBS, ZMFN, 29-APR-98;
FUBS, ZMF
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        Event-Altornative splicing: Named isoforms-i;
Comment-A number of isoforms are produced. Each of the "extra
domain" and the connecting strand 3 are present in some forms of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRUCTURE BY NWR OF 1447-1630.
MEDLINE-95202578; PubMed-9533887;
Copie V., Tomita Y., Akiyama S.K., Acta S., Yamada K.M., Venable R.M.,
Pastor R.W., Krugetz S., Torchia D.A.;
"Solution structure and dynamics of linked cell attachment modules of mouse fibronectin containing the RGD and Synergy regions: corparison with the human fibronectin crystal structure.";
J. Nol. Biol. 277:663-682(1998).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TISSUE SPECIFICITY: PLASMA FN (SOUGELE DIMERIC FORM) IS SECRETHIN BY HERATOCYTES, CELLDIAR FN (DIMERIC OF DEOSS-LIRKED MUTIMERFERONS), MADE BY PIBROBLASTS, SPTHELIAL AND OTHER CELL TYPES, IS DEPOSITED AS FIRSUES IN THE EXTRACELLULAR MATRIX.

INDUCTION: DIMCOCOLLICOLD'S SUPPRESSED MENA EXPRESSION AND PROFESSION AND PROFESSION.
                                                                                                                                                                        STRAIN-NMR;;
MEDLINE-95403550: PURMEd-7673335;
Talts J.F., Weller A., Timp: R., Ekbiom M., Exbiom P.;
Requistion of mesenchymal extracellular matrix profesor ayuthesis by transforming growth factor-beta and disconstricteds in tempt
                                                                   Polly F., Nicholson R.C.; "Sequence of the mouse fibronectin-encoding seas frometer region.";
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Khandjlan E.W. Salomon C., Loonard N., Tremblay S., Tirler H.;
Fibronectin gene expression in proliterating, quiescent, and SV45-
infected mouse kidney calls.
Exp. Cel. Res. 202:464-470(1992).
                                                                                                                                                                                                                                                                                                                                                                  Gorski G., Aros M., Norton P.;
Submitted (DEC-1995) to the EMBL/GenBank/UDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  synthesis.
PTM: SULFATE: (BY SIMILARITY).
SIMILARITY: Contains 12 fibronectic type I domains.
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                                                                                                                                                                                                                                                                                 stroma.";
J. Cell Sci. 108:2153-2162(1995).
                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDLINE-88124987; PubMed-3124113;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDLINE-93011702; PubMed+1327855;
                                            MEDLINE-94131313: Pubhed=6299372;
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                                                                                                                                  [2]
SEQUENCE OF 562-634 PROMINAL
SEQUENCE OF 1-28 FROM N.A.
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                                                                                                             Gene 137:353-354(1993).
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FIBRONECTIN.
FIBRIN- AND HEPARIN-BINDING
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EMBL, X15906 CAA34020.1; EMBL, L29191: AAA41166.1; EMBL, L00191: AAA41166.1; EMBL, L29191: AAA41167.1; EMBL, L29191: AAA41167.1; EMBL, L29191: AAA41167.1; EMBL, L20191: AAA41167.1; JOINED. EMBL, K05831: CAA29279.1; EMBL, X05833: CAA29279.1; EMBL; X05833: CAA29281.1; EMBL; X05834; CAA29281.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PIR; $14428; $14428.
HSSP; P02751; 1FBR.
InterPro; IPR006209; EGF_like.
InterPro; IPR000083; Fibrncthl.
InterPro; IPR000562; FN_III.
InterPro; IPR000562; FN_III.
                                                                                     shuffling during evolution.";
EMBG J. 6:2565-2572(1987).
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Pfam; PF00040; fn2; 2.
Pfam; PF00041; fn3; 17.
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INTERCHAIN (WITH 2462 OF CHESTIN).
N-LINKED (GLUNAC...) (POTENTIAL).
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Mammalia; Eutteria; Rodentia; Sciurognathi; Muridae; Muribae; Raitus.
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MEDLINE-88C54951; PubMed-2445560;
SCWATZbauer J.E., Patel R.S., Fonda D., Hynes R.C.;
"Multiple sites of alternative splicing of the rat fibronectin qene
  CONNECTING STRAND 4 (CS-4) (V REGION)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 2477;
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Pred. No. 1:90+02:
            FIBRONECTIN TYPE-111 [17]
FIBRONECTIN TYPE-1 [0]
FIBRONECTIN TYPE-1 [1]
FIBRONECTIN TYPE-1 
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01-NOV-1990 (Rel. 16, Last sequence update)
15-SEP-2003 (Rel. 42, Last annotation update)
Fibronectin precursor (FN).
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83.3%;
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EMBO J. 6:2573-2580(1987).
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Best Local Similarity 83.3
Matches 5; Conservative
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Coli 35.421-431(1983)

-!- FENCTION: FIRBNOWETINS BIND CELL SURFACES AND VARICUS COMPOUNDS

-!- FENCTION: FIRBNOWETINS BIND CELL SURFACES AND VARICUS COMPOUNDS

INCLUDING COLLAGEN, FIRBNIN, HEPARIN, DNA. AND ACTIN. FIRRNOWECTINS

ARE INVOLVED IN CELL AHMESION, CELL MATHITY: OPSCNIZATION, WOUND

HEALING, AND MAINTENANCE OF CELL SHAPE

-!- SCBUNIT: MOSTLY HETERODIMERS OR WILLIAMES DE ALTERNATIVELY SPLICED

VARIANTS, CONNECTED BY 2 DISSUED HOUSE NEAR THE CARHOXYL ENDS;

-!- ALIERNATIVE PRODUCTS:
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1soId-P04937-4: Sequence-VSP_063260:
1soId-P04937-4: Sequence-VSP_063260:
1soId-P04937-4: Sequence-VSP_063260:
1soId-P04937-4: Sequence-VSP_063260:
1soId-P04937-4: Sequence-VSP_063260:
1soId-P04937-4: Shellar FN (ETMERIC DR CHILTHREED MILTHRERIC PORMS), NADE BY FIBROBARTS, FPTTSELIAL AND CHIRK CHILT TYPES, IS DEPOSITED AS FIBRILS IN THE EXTRACELLULAR MATHIX.
1: PIM: SULFATED (BY SIMILARITY).
1: SIMILARITY: Contains 12 fibromectin Type II domains.
1: SIMILARITY: Contains 17 fibromectin type III domains.
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Comment-Each of the "extra domain" and the connecting strand 3
are present in some forms of fibromectin and absent in others;
SEQUENCE OF 1-139 AND 2362-2477 FROM N.A.
STRAIN+Fischer; TiSSUB-Liver;
MEDLINE-88054956; PubMed-3119323;
Patel R.S., Odermat E., Schwarzbauer J.E., Hynes R.O.;
"Organization of the fibronectin gene provides evidence for exon
                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE OF 1586-2477 FROM N.A. MEDITHE-84080567; PUDMED'S 17.887; SCHWARZBAUET J.E., TAMKIN J.W., LOMISCEKA J.K., Hynes R.O.; Three different fibronectin mRNAS arise by atternative splicing
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Name-2: Synonyms-FN11.3-less:
Isoid-P64937-2: Sequence-VSE_003258:
Name-3: Synonyms-Lambda-REF4-5:
Isoid-P04937-3: Sequence-VSE_003259:
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CELL-ATTACHMENT.

FERMINSTOR 2.

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Search completed: September 16, 2003, 18:17:50 Job time : 14 secs

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Yaurg J., Taniai K., Yamakawa M.;
Yaurg J., Taniai K., Yamakawa M.;
Inducible nitric oxide synthase-like proteintiNOS-LP) cDNA.*;
Submitted (SEP-1999) to the EMBL/GenBank/UBBJ Jatabases.
RMEL: AB017521; BAB33296.1;
HSSP: P29477; INOC.
InterPro: IPRO4039; NO_Synthase.
Plam: PP02689; NO_Synthase.
PROSITE: PS60001; NOS: 1.
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SEQUENCE 354 AA, 40804 MW; 8D75BAB87H739F9A CRC64;
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09CSK5
09CSK5
09ET34
08T8C0
08T8D0
09UC00
09ECD2
09ECD2
09EUM8
                                                                                                                                                                                                                                                                                                                                                                                                                                                      sp_unclassified:*
sp_rvirus:*
sp_bacteriap:*
sp_archeap:*
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Gapop 13.0 . Gapext 0.5
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sp_bacteria:*
sp_tung:*
sp_tuma:*
sp_tuman:*
sp_iovercebrate:*
sp_neamman:*
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sp_vertebrate:*
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sp_phage:*
                                                                                                                                                                                                                           Minimum DB seq length: 0
Maximum DB seq length: 200000000
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sp_rodent:*
                                                                                                     US-09-780-612A-1
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Match Length DB
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Gaps . O

100.0%, Score 35; DB %; Longth 354; 100.0%; Pred. No. 48; ative C; Mismatches O; Indels

		98.6	301	Π	Q8C0C1	SINE
		-	Θ]	OSCOBS	Oscobs mus muscaiu
			399	17	O9HQ14	Q9hqi4 halobacteri
			407	ထ	088680	Q8sab0 micropterus
		88.6	438	(7	C9X2S7	09x2s7 vibrio chol
		83.6	438	16	O9KNL9	29knl9 vibrio chol
		88.6	441	17	Q9HQN2	09hgn2 halobacteri
		88.6	515	9	08x6a0	C8x6b0 escherichia
		88.6	515	16	Q8FKH9	OBÍKh9 escherichia
		88.6	562	<↑	Q8NC49	Q8sc49 homo sapien
		83.6	589		O60%F3	090yl3 brachydanio
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RESULT	I.T. 1					
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ï	QSBILO	PRELIMINARY	INARY;		PRT; 354 AA.	
. Y	OBELLU;					
 	01-JUN-2001	(TrEMBLrel.	Lrei.	17,	Created)	
E Č	C1-35N-2051	(Trema	[re]		Last sequence update)	
<u>;</u>	01-00T-2002	(Tremb	Lrei	22,	Last annotation update)	(4)
30	Inducible n	itric o	xide s	yn: ha	hase-like profeso (in	OS-117)
20 Z	(Fragment).					
5 0	Tombin movi	Altion	4			
n (SOMBYX MCI.	(Silk moun)	mot.n.).			
ب ر ج	Necesty Deal	Fudorteranta:	TOTAL !	1 a	hukaiyota, Metazoa, Althiopoda, mexapoda, inserta Neontora, Endontormota, Ienidontora, Closcatu	a they do day bitters is Bombacoides.
3	Bombycidae: Bombyx	Bombyx	, y (, s ,	í		
×	NCB: TaxID-7091	7091;				
X X	[1]					
Ω. 2	SEQUENCE FR	FROM N.A.	7	:		

us-09-780-612a-1.rspt

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SECUENCE
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Matches
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UBIRCO
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SC STRAIN-C57HJ/G1; T1SSUF-Emtryon

XX Macal U. Sinnagawa A. Shibata K., Yoshino M., Itob M., Ishin Y.,

XA Arakawa T., Hara A., Fukunishi Y., Kodun H., Adach U., Pukuda S.,

RA Arakawa T., Hara A., Fukunishi Y., Kodun H., Adach U., Pukuda S.,

RA Arakawa T., Mashi K., Kiyosawa H., Koduo S., Yamanaka I.,

RA Alazawa K., Izawa K., Nishi K., Kiyosawa H., Koduo S., Yamanaka I.,

RA Kadota K., Massuda H.A., Ashburner M., Batalov S., Gusavani T.,

RA Kadota K., Massuda H.A., Ashburner M., Batalov S., Casavani T.,

RA Kuebi P., Iowis S., Marsuc Y., Nikardo I., Preson G., Coackenbush I.,

RA Kuebi P., Iowis S., Marsuc Y., Nikardo I., Preson G., Coackenbush I.,

RA Kuebi P., Iowis S., Marsuc Y., Nikardo I., Preson G., Coackenbush I.,

RA Schrimi I.M., Staubi F., Suzuki R., Tomita M., Wagnor I., Waslor I.,

RA Sakai K., Okido T., Furuno M., Aono H., Baldarelli F., Batsh G.,

RA Blake J., Soffelli D., Bojunda N., Carninci P., de Bordstdo M.F.,

RA Brownstein M.J., Rult C., Fletcher C., Fujita M., Sariboldi M.,

RA Lyons P., Marchionni L., Mashima J., Mazzarelli J., Mombaeris P.,

RA Lyons P., Ring B., Ringwald M., Rodriquez I., Sakasoto N.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE FROM N.A.
STRAIN-AICC 19889 A.
MEDLINE-21173698 PubMed-11259447;
MEDLINE-21173698 PubMed-11259447;
MEDLINE-21173698 PubMed-11259447;
MEDLINE-21173698 PubMed-11259477;
Eisen J., Heidelberg J.F., Alley M.K., Chid N., Maddock J.F.,
Potocka I., Nelson W.C., Nowlon A., Stephens T., Phaddek N.B., Fly B.,
Kolonay J.F., Smit J., Craven M.B., Kbouri B., Stetty J., Herry K.,
Utterfack T., Tran K., Woll A., Vanathevan D., Errolaeva M., White-c.,
Romplete genome sequence of Caulobacter cresceptus. 7.
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Mammalia, Butheria, Rodentia, Sciurogiathi, Muridae, Murinae, Mus
                                                                                                                                                                                                                                                                                                         Bacteria: Proteobactoria: Alphaproteobactoria: Gaulobacterales:
Caulobacteraceac; Gaulobacter.
NCBI_TaxID-158892;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Indels
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INTERPROT IPRO01518, TCR_TCLA.
PRINTS, PRO1035, TCRTETA.
PROSITE; PS53836, MPS; 1.
COMPLETE PS74836, MPS; 1.
SEQUENCE 450 Aa; 46965 MW; 66F7B879FH6F6892 CRC64:
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01-JUN-2001 (TrEMBLED. 17, Last sequence update)
01-OCT-2002 (TrEMBLED. 22, Last annotation update)
2610001M65Rik protein (Fraquent).
                                                                         01-JUN-2001 (TrEMBLrel, 17, Created)
01-JUN-2001 (TrEMBLrel, 17, Last sequence update)
01-MAR-2003 (TrEMBLrel, 23, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Proc. Natl. Acad. Sci. 0.8.A. 98:4136-4141(2001).
EMBL: AE005751; AAX22736.1; -.
450 AA
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PRI
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SF3B1 OR 2810001M05RIK.
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Best Local Similarity 100.
Matches 6; Conservative
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    PRELIMINARY:
                                                                                                                                                                                                                                                                            Caulobacter crescentus
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                                        09AA55;
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Bombyx mori (Silk moth).
Eukaryota, Metazoa, Arthropoda: Hexapeda, Insenta; Eterygota,
Neoptera, Endopterygota, Lepidoptera, Slossata, Ditrysia: Bombycoidea,
Sasaki H., Sato K., Schoenbach C., Seya T., Shibata Y., Storch K.-F.,
Suzuki H., Toyoroka K., Wang K.H., Weitz C., Whittaker C., Wilming L.,
Wynshaw-Boris A., Yoshida K., Hasegawa Y., Kawaji H., Konsaki S.,
Hayashizaki Y.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Rattus norvegicus (Rat).
Eukaryota: Metazoa; Chordata: Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia: Sciurcquathi: Muridae; Murinae: Rattus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
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"cDNA cloning, characterization and gene expression of nitric oxide
synthase from the sikworm, Bombyx mori.";
submitted (SEP-2001) to the EMBL/Genbank/UDBJ databases:
Immal: AB071182; BAB85885.;
InterPro; IPR003097; FAD_binding.
                                                                                                                   "Functional annotation of a full-length mouse cDNA reliection.";
Nature 409:685-690(2001).
BMBL: AK012632; BAB26366.15 -.
MCD: MC:1932339; ST331.
MON_TER 490 450
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                                                                                                                                                                                                                                                                                                                     100.0%; Score 35; DB 11; Length 490; 100.0%; fred. No. 68;
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"Identification and cloning of rat SAP155 homolog.";
"Identification and cloning of rat SAP155 homolog.";
Submitted (APR-2000) to the EMBL/GenRank/DUBU databases.
EMBL; FYES04437 databases.
NON_TER 496 496 A96 54496 NW: 5175G3E3042725E7 CKC64;
                                                                                                                                                                                                                                                                     F326E6C92B9707E3 CRC64;
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31-WAR-2001 (TrEMBLrel. 16, Last annotation update)
Spliceosomal protein SAP155 (Fragment).
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Last annotation update;
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01-JUN-2062 (TrEMBLrel. 21, Last seq.
01-MAR-2063 (TrEMBLrel. 23, Last anno
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               31-MAR-2001 (TremBirel, 16, Created)
31-MAR-2001 (TrEMBirel, 16, Last seq
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les 6: Conservative
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Post Local Similarity 100.
Matches 6: Conservative
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269 GRGDIP 274
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NCBI_TaxID=7091;
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SEQUENCE FROM N.A.
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Matches
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09E2D2
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                                                                                                                                                                                                                                                 100.0%; Score 35; PH 5; Lengta 1209; 105:0%; Pred. No. 1.80-02; ave. 0; Mismatches 0; Indels (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE FROM N.A.
Hads B.J., Voltovsky N., Town C.D., Trockhan M., Alexandrov
Feldmann K.A., Flavell R.B., White G., Salzberg S.L.,
"Full-length messenger RNA sequences greatly improve genome
annotation.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Anabaena sp. (strain PCC 7120).
Plasmid pcC7120aipha.
Bacteria: Cytobacteria: Nostocales: Nostocaceae; Nostoc.
NCBL_TaxIb-103690:
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Brover V., Troukhan M., Alexandrov N., Lu Y. B., Flavell
Feldmann K.;
                                                                                                                                                                                                       137506 MW; 92A73E04B12C2E2C CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              to the EMBL/GenSank/SObJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Pfam: PP01419; Jacalin: 3.
SEQUENCE 458 AA: 50376 MW: 6DDF30FB331B83CS CRC64:
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01-MAR-2002 (TrEMBLrel. 20, Last sequence update)
01-MAR-2003 (TrEMBLrel. 23, Last annotation update)
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                         IPRC64030; NO_synthase.
IPR001433; Oxred_FAD/NAD(P).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Submitted (MAR-2002) to the EMBL/Jocal EMBL, AY087281; AAM64834.1; ... InterPro; IPR001229; Jacalin_lectin.
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                                                                        Pfam: PF00567; FAD_bindisg_1; Pfam: PF00558; flavodoxin; 1. Pfam: PF00175; NAD_bindisq_1; 1. Pfam: PF02868; NO_synthese: 1. PROSITE; PS6061; NOS; 1.
     InterPro; IPROG1226; Flavodoxin.
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                                                                                                                                                                                                                                                                                Best Local Similarity 105.
Matches 6: Conservative
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Matches 5; Conservative
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                               InterPro;
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                                                         InterPro
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                          Sasamoto S.,
Ima K., Kimura T.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      :<u>`</u>
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                    Kaneko I., Nakamura Y., Wolk C.P., Kuritz I., Sasamoto S., Watanabe A., Iriguchi M., Ishikawa A., Kawashina K., Kimura T. Kishida Y., Kohara M., Matsumoto M., Matsuno A., Kuraki A., Nakazaki N., Shimpo S., Sugimoto M., Takazawa M., Yamada M., Yasuda M., Tabata S., Toomplete genomic sequence of the filamentous mitrogen-fixing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-MAR-2001 (TrEMBLrel. i6, Created)
01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
01-MAR-2001 (TrEMBLrel. 16, Last senotation update)
01-MAR-2001 (TrEMBLrel. 16, Last amotation update)
Hypothetical 9.1 kDa protein.
Rhizobium meliloti (Sinorhizobium meliloti).
Bacteria, Proteobacteria, Alphaproteobacteria; Rhizobiaceae: Sinorhizobium.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 506;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       88.6%; Score 31; DB 4: Length 23; 83.3%; Pred. No. 18; (; Inde)s.ive 1; Mismatches (; Inde)s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDLINE-95130623; PubMed-7829572;
Picrschbacher M.D., Polarek J.W., Craic W.S., Tschupp
Sipes N.J., Harper J.R.,
Sipes N.J., Barchen J.S.,
ScoubNCE 23 AA; 2268 MW. CE73999CB9953891 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      al protein; Complete protecme.
66738 MW; 54A81020A58.2E82 CECE4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  61-MAY-2000 (TrEMBLrel, 13, Created)
01-MAY-2000 (TrEMBLrel, 13, East sequence update)
01-NAY-2000 (TrEMBLrel, 13, Last annotation apdate)
                                                                                                                                                                                            cyanobacterium Anabaena sp. strain PCC 7120.";
DNA Res. 8:205-213(2001).
EMBL: APG03000. BAB78327.1; -.
InterPro; IPR000110; ANK.
InterPro; IPR000897; SRP54.
Pfam; PF00023; ank: 10.
SMART: SM00248; ANK: 9.
PROSITE: PS50089; ANK_REP_REGION: 1.
PROSITE: PS502097. ANK_REP_REGION: 1.
PROSITE: PS00300; SRP54; 1.
PROSITE: PS00300; SRP54; 1.
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83.3%; Pred. No. 3.5e+62;
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Home sapiens (Human).
MEDLINE-21595285; PubMed-11759840;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity 83.3
hes 5: Conservative
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Matches 5; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       606 AA;
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NCBI_TaxiD=382;
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SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                           Cranfill R., Kato M.; "Phylogenetics, Biogeography, and Classification of the woodwardioid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    30.55
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Filicophyta: Filicopsida: Filicales: Blechnaceae: Roodwardia.
NCBI_TaxID-125727:
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Filloophyta: Filloopsida, Filloaics, Biechnaceae, Koodwardia,
NCHI_TAXID=29664,
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                                                                                                 21 Length 88:
                                                                                                                        C: Indeals
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           Muschler P.F.J., Endter C.; "Isolation of method of method of mer acception to the EMBL/GenBank/DDBJ detabases. Submitted (400-2000) to the EMBL/GenBank/DDBJ databases. EMBL AF298190; AAG37856.1: "
                                                                                                                                                                                                                                                                                                                                                                                                                                    ferns (Blechnaceae).";
Submitted (AUG-2002) to the EMBL/GenBank/DDBJ databases
EMBL; AF533859; AAN34638.1; --
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Submitted (ACG-2002) to the EMBL/GenBank/DDRJ databases EMBL; AF533860; AAN3463911; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              185 AA; 20723 MW; D8795983F5283F9E CKC64;
                                                                        87C5BF56B176DD2A CRC64;
                                                                                                                                                                                                                                                          01-MAR-2603 (TrEMBLrel. 23, Greates)
01-MAR-2603 (TrEMBLrel. 23, Last sequence update)
01-MAR-2003 (TrEMBLrel. 23, Last appearation update)
Ribosomai protein small subunit 4 (Fragment).
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01-MAR-2003 (TERMSJECL, 25. Jast sequence update)
01-MAR-2003 (TERMSJECL, 23. Last annotation update)
Ribosomal protein small subunit 4 (Fradment).
                                                                                               Score 51: DB 2
Pred. No. 73:
1: Mismatches
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                                                                                               88.6%;
43.3%;
                                                          Hypothetical protein.
SEQUENCE 86 AA; 9128 MW;
                                                                                    Ouery Match
Best Local Similarity (43.5
That 5; Conservative
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hes 5: Conserv
                                                                                                                                                                        35 GRGDSP 40
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STRAIN-RU11/601;
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SEQUENCE
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Matches
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"Phylogenetics, Biogeography, and Classification of the woodwardioid
ferns (Blechnaceae).":
Submitted (AUG-2002).to the EMBL/Genbank/DDBJ databases.
EMBL: AF533866: AAN34645.1: -.
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Pilicophyta, Filicopsida: Filicales; Biechnaceae; Woodwardia.
NCBL_TaxID=120731;
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R02299 CR SMC01549.

R02295 CR SMC01549.

R02295 CR SMC01549.

R02265 CR SMC01549.

R02265 CR SMC01549.

R02265 CR SMC01549.

R02265 CR SMC0154 CR
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83.3%; Pred. No. 1.6e±02;
Live 1: Mismatches 0; Indels
                                                                                                                                             88.6%; Score 31; DB B; Longit 185;
83.3%; Pred. No. 1.6e+02;
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1 1 2 0699 KW; 9E9D177082010397 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                01-MAR-2003 (TERMBLRE), 25, Cheated)
01-MAR-2003 (TERMBLRE), 25, East Scienciff update)
01-MAR-2003 (TERMBLRE), 25, East annotation update)
Ribosomal protein small subunit 4 (Fragment),
RFS4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          61-DEC-2031 (TrEMBLrel. 19, Created)
c1-DEC-2001 (TrEMBLrel. 19, Last sequence update)
c1-MAR-2002 (TrEMBLrel. 20, Last annotation update)
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                                                                                                                                                                                                                                               i, Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRT;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRT;
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Best Local Similarity 83.33
Matches 5; Conservative
                                                                                                                                                                                                                                                          5; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Woodwardia spinciosa
                                                                                                                                             Oucry Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                     01-007-2002 (TrEMBirel, 22, Created)
01-007-2002 (TrEMBirel, 22, Last sequence update)
10-007-2002 (TrEMBirel, 22, Last annotation update)
Hypothetical protein FLJ3051.
Gomo sapiens (Human).
Rivaryota, Metazoa, Chordata: Cranlata; Vertebrata: Entelnastomic
Mammalia; Buthezia; Primates: Catarrhini; Hominidae; Homo.
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01-DEC-2001 (TEMBLEEL. 19, Last sequence update)
01-DEC-2002 (TEMBLEEL. 26, Last annotation update)
01-MAR-2002 (TEMBLEEL. 26, Last annotation update)
Hypotherical protein R01876.
R01876 OR SMC00134.
Rnizobium mellicti (Sinorhizobium mellicti).
Bacteria, Proteobacteria: Alphaproteobacteria, Rhizobiales;
Rhizobiaceae: Sinorhizobium.
                                  98.6%; Score 31; DB 16; Length 208; 83.3%; Pred, No. 1.86-02; Live 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           86.5%; Score H: DR G: Length 219:
83.3%; Pred. No. 1.90+52;
tive :: Mismatches O; Indels
208 AA; 21420 NW; A9222A33391FB522 CRC64;
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MEDLINE=21396507; PubMed=11481430;
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Best Local Similarity 83.3
Matches 5: Conservative
                                                         Local Similarity 83.3
nes 5; Conservative
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                                                                                                                                                                                                                                                           PRELIMINARY:
                                                                                                                                                            122 GRGDSP 127
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SEQUENCE FROM N.A.
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                                                                                                                   1 GRGDTP 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 IISSUE-Amyadala:
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SQ SEQUENCE
                                       Query Match
Best Local S
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                                                                              Matches
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Gaps
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                                                                                                                                                                                   88.5%; Score 31; DB 16; Length 27
83.3%; Pred. No. 2.4e+02;
Live 1; Mismatches 0; Indels
                                                                                                                     Hypothetical protein; Complete protecme.
SEQUENCE 275 AA; 29894 MW; BBE53C168FC34CCD CRC64;
Proc. Natl. Acad. Sci. U.S.A. 98:9677 9882(2807).
EMBL: ALS91788: CRC46455 1; -
Interpro: IPR000051; SAM_bind.
Interpro: IPR001440; TPR.
Plam; PP00515; TPR; 1.
                                                                                                                                                                                        Suery Match
Best Local Similarity 83.3
Matches 5, Conservative
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                                                                                                                                                                                                                                                                                 1 GRGDTP 6
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